

# THE BULLETIN

APRIL 24, 2000 ~ 53RD YEAR ~ NUMBER 17

## Nursing Funding Benefits U of T

BY STEVEN DE SOUSA

**B**EGINNING IN 2005, ALL NEW nurses will require a four-year bachelor's degree in order to practise in Ontario under new provincial legislation.

Following recommendations from the College of Nurses of Ontario and the Nursing Task Force, Queen's Park recently announced a \$22.6-million plan to implement a new education standard for registered nurses, of which more than \$10 million will be earmarked for graduate programs. Under the changes, undergraduate nursing will be taught in a collaborative program between colleges and universities while university graduate programs will be expanded to accommodate an additional 140 students province-wide.

"We warmly welcome the province's recognition of the need to increase opportunities for graduate studies in nursing," said President Robert Prichard. "The University of Toronto has significant strength and expertise in this area and we will respond affirmatively to the new opportunity."

Currently, only about 20 per cent of registered nurses in Ontario have degrees. The legislation will not affect nurses currently in the profession and in existing programs.

Professor Gail Donner, dean of nursing, said the announcement will ensure registered nurses provide the highest quality of care to their patients. "It also signifies the end of a long battle to ensure that nurses have equal access to university preparation with other professional groups like occupational and physiotherapists," she added.

### INSIDE

#### Making believers of us all

THE NEW WORLD OF TECHNOLOGY is upon us — and it's not all that scary, faculty and staff discover at information technology forum. *Page 5*

#### When heads collide

VIOLENCE IN SPORT IS NOT NEW BUT we should be more aware of the consequences and protect our athletes better. *Commentary. Page 9*



University Professors Fergus Craik, Paul Brumer (pictured) and Tony Pawson received Killam Prizes.

## U of T Awarded Three Killam Prizes And three Guggenheim Fellowships

BY JILL RUTHERFORD

**I**N CANADIAN RESEARCH CIRCLES, FEW PRIZES HAVE quite the academic clout of the Killam. Recently U of T researchers took not one, not two, but three of the four prizes awarded this year: University Professors Paul Brumer of chemistry and Fergus Craik of psychology won for the natural sciences and Tony Pawson of medical genetics and microbiology won the prize for health sciences.

The fourth prize, in engineering, went to Professor John Jonas of McGill University's department of metallurgy and co-director of the McGill Metals Processing Centre.

U of T's reputation for research excellence also extends south of the border: fellowships from the prestigious American Guggenheim Foundation were awarded recently to University Professor James Arthur of mathematics, Professor Anthony Feinstein of psychiatry and Professor Sajeev John of physics.

The significance of U of T's achievement was not lost on Professor Heather Munroe-Blum, vice-president (research and international relations). The

university is the only school in Canada to have won three Killams in one year — and it's the second time U of T has done it.

"The joy of the Killam for me is that this is a prize that celebrates individual effort at the highest level, and this is a bumper crop for U of T," she said. "This is spectacular, a real reflection of the strength and breadth of talent at this university. It also recognizes the lifetime achievement of three outstanding faculty who have a lot of lifetime ahead of them; there's a lot more to come from Brumer, Craik and Pawson."

Munroe-Blum was equally positive about the Guggenheim Fellowships. "It's a great honour, in and of itself, to win a Guggenheim and we are extremely proud of Professors Arthur, Feinstein and John on these tremendous achievements," she said. "Again, this is a clear indication of the world-class scholars we have at U of T. The added benefit with the Guggenheims is that they are awarded to scholars in the United States and Canada, so they

~ See U of T: Page 6 ~

## Sweatshop Policy Passes UAB

BY MICHAH RYNOR

**T**HE UNIVERSITY OF TORONTO is one step closer to becoming the first university in Canada to adopt a landmark licensing policy.

In a unanimous decision University Affairs Board voted April 18 to establish a policy for licensees who use the university's name, trademarks and images. The policy requires that merchandise bearing these images be produced under humane and non-exploitive conditions that are in keeping with the good academic name, image and reputation of the university.

The policy delegates to the president the development and administration of a code of conduct that sets a minimum standard for working hours, prohibits child labour, discrimination, harassment, abuse and forced labour and insists on a safe work environment. A task force, headed by Jon Dellandrea, vice-president and chief development officer, has been working on this policy and its accompanying code for the last 18 months.

Kevin Thomas, a student with the peace and conflict studies program and a member of the task force, said that by passing this policy "the university is providing intellectual and ethical leadership where many others are confused. Other universities and sectors of society including unions, businesses, high schools and governments are watching us closely, wondering if they can duplicate our efforts."

The policy goes before Governing Council May 11 for final passage.

## Millions Needed for Repairs

BY CHERYL SULLIVAN

**F**ROM FIXING LEAKY ROOFS to replacing deteriorating pipes and wiring, U of T and other universities across the country are facing a major crisis in building repairs and maintenance.

The Canadian Association of University Business Officers released a report April 10 that

~ See UPGRADE: Page 4 ~



## IN BRIEF



### Cook appointed principal of Victoria College

PROFESSOR DAVID COOK, CURRENTLY SERVING AS VICE-PROVOST, has been appointed principal of Victoria College for a five-year term effective July 1. Cook, an associate professor in the Division of Social Sciences at the University of Toronto at Scarborough and in the department of political science, has held numerous academic and administrative positions at the university including two terms as vice-provost (staff functions) from 1985 to 1994. Cook graduated from Victoria College in 1969 and received both his MA and PhD degrees from U of T. He succeeds Professor William Callahan, who has served as principal since 1991.

### Love elected president of UTFA

PROFESSOR RHONDA LOVE OF PUBLIC HEALTH SCIENCES HAS BEEN elected president of the U of T Faculty Association for a one-year term effective July 1. Love has been vice-president (grievances) of the association for the past seven years and has also served the association as chair of its status of women committee and as a member of the association's council, its executive committee and served on the salary, benefits and negotiating team. Formerly a member of the Ontario Confederation of University Associations' status of women committee, Love is currently a member of the Canadian Association of University Teachers' academic freedom and tenure committee.

### Three win NSERC University Faculty Awards

PROFESSORS TONIANN PITASSI AND SUZANNE STEVENSON OF computer science as well as Maydianne Andrade, who will join the Division of Life Sciences at Scarborough July 1, were among the 23 winners of the Natural Sciences and Engineering Council's 2000 University Faculty Awards. The awards program, launched in 1998, is designed to increase the representation of women in faculty positions in the natural sciences and engineering by encouraging Canadian universities to appoint very promising women researchers to tenure-track positions in science and engineering. NSERC has also announced it will extend its University Faculty Awards to aboriginal men and women being appointed to university faculty positions.



COURTESY OF DAVID NIMMO

*This year's winners of the Association of Part-time Undergraduate Students-Students' Administrative Council Teaching Awards are (from the left): Kenneth Bartlett, history; David Kuhn, chemical engineering and applied chemistry; Alkis Kontos, political science; David Nimmo, director of the pre-university program; and Peter Greiner, mathematics. In the front are Matt Lenner, president of SAC, and Manon LePaven, president of APUS.*

## Student, Alumni Associations Recognize Excellence

**S**TUDENTS AND ALUMNI celebrated the best and brightest at two recent award ceremonies.

On April 18 the University of Toronto Alumni Association presented its Awards of Excellence and on March 29 five instructors (pictured above) received the 1999-2000 undergraduate teaching awards, co-sponsored by the Association of Part-time Undergraduate Students and Students' Administrative Council.

The Awards of Excellence celebrate the achievements of U of T's faculty, staff and students. The Faculty Award, recognizing excellence in teaching research and professional endeavours, was presented to Professor Ulrich Krull of chemistry at U of T at Mississauga; Mary Marci, business officer of the department of human development

and applied psychology at the Ontario Institute for Studies in Education of the University of Toronto, was the recipient of the Chancellor's Award, given for outstanding contributions by an administrative staff member.

The Joan E. Foley Quality of Student Experience Award, awarded to a student, alumnus/a, administrative staff or faculty member who has made a significant contribution to improving the quality of academic or extracurricular student life, was presented to Guy Allen, director of the UTM professional writing program; and the Ludwik and Estelle Jus Memorial Human Rights Prize, recognizing positive and lasting contributions to education and action in the fight against discrimination, was awarded to Professor Peter Rosenthal of

mathematics and the Faculty of Law. Trinity College student Karie Anne Wolfe was the winner of the John H. Moss Scholarship, U of T's most prestigious scholarship. The \$12,000 award is given to exceptional third- and fourth-year students to assist with their continuing education.

Established in 1981 the APUS-SAC awards recognize outstanding teaching at the undergraduate level on all three campuses and are given in five areas: one each in the humanities, social sciences and physical and life sciences and two in the professional faculties. These awards are wholly student-sponsored and winners are chosen for their mastery of the subject, accessibility to students and skill in communicating the course material to students among other criteria.

## ON THE INTERNET

### FEATURED SITE

#### Where the wild ones grow



BIOLOGICAL INVASIONS AND plant ecology are the basis of Professor Peter Kotanen's (botany, University of Toronto at Mississauga) research. Kotanen's study site for experimental and comparative studies of native and alien field plants is situated at

Joker's Hill, near Newmarket. But his fieldwork into Arctic vegetation damage — attributed to snow geese — takes him to the remote areas of Akimiski Island, Nunavut Territory, Bylot Island, Nunavut Territory, and La Pérouse Bay, Manitoba. There are breathtaking images of various study sites, and, if you're lucky enough to have a sound card on your PC, you can hear the call of a snow goose, with the click of a mouse.

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### SITES OF INTEREST

#### The bare bones of online searching

NET SEARCH ENGINES ARE CONSTANTLY IMPROVING AND changing. This site offers some very basic search tips, definitions and brief reviews of search engines and directories. A very quick read that takes the mystery out of online searching, Bare Bones 101: A Basic Tutorial on Searching the Web was developed by the head librarian of the University of South Carolina at Beaufort.

<http://www.sc.edu/beaufort/library/bones.html>

#### Tracking immigration

THE CENTRE OF EXCELLENCE FOR RESEARCH ON IMMIGRATION & Settlement (CERIS) metadatabase project provides an evolving online reference point for a wide variety of databases on ethnoracial demographics and immigrant settlement information in the Greater Toronto Area. The database includes census information, municipal and service agency databases and aggregate client demographics. Searches parameters can also be specified by specific fields. CERIS is a joint project of U of T, York and Ryerson and other community partners.

<http://ceris.metropolis.net/metadatabase>



## “VINSANE” FOR SCIENCE



Raptors' superstar Vince Carter is caught off guard backstage at Convocation Hall before presenting the youth science awards at the first-ever Toronto Sci-Tech Fair on April 15.

DAVID BARKER-MALTBY

## Ginseng Good for Diabetics

*Twenty per cent reduction in blood sugar levels possible*

BY STEVEN DE SOUSA

**T**AKING AMERICAN GINSENG before a meal may help diabetics regulate blood sugar levels, says a joint U of T-St. Michael's Hospital study. But researchers caution that the long-term effects of taking ginseng are not yet known.

Dr. Vladimir Vuksan, lead investigator of the study published in the April 9 edition of *Archives of Internal Medicine*, believes this finding may have significant implications for the treatment and prevention of diabetes.

"Although preliminary, these findings indicate that American ginseng's potential role in diabetes should be taken seriously and investigated further," said Vuksan, an assistant professor of nutritional sciences at U of T and associate director of the Risk Modification Centre at St. Michael's Hospital.

Study participants, both diabetic (Type 2) and non-diabetic, consumed capsules containing three grams of ground Ontario-grown American ginseng either 40 minutes before or during a glucose test meal. Among participants with Type 2 diabetes, those who took the ginseng capsules experienced a 20 per cent reduction in blood sugar levels compared to when they took placebo capsules.

Among non-diabetic participants, similar reductions were only seen when the ginseng capsules were taken before — not together with — the test meal, suggesting the timing of administration may be important. (The trial did not compare the diabetic participants with the non-diabetic participants.)

Although the results are encouraging, Vuksan cautioned that people should not use these findings

as justification to start taking ginseng. "This is an initial, short-term study that only indicates a need for more research — we don't know what the effects of long-term consumption of ginseng will be," he said. "And because of poor standardization in the herbal industry, we don't know if these findings will hold true for all American ginseng products, nor do we know whether taking different species of ginseng such as Chinese or Japanese will have the same outcome."

Vuksan said this study also represents an important step in the evaluation of herbals as potential medical treatments, an area that has generated a great deal of public controversy, especially in North America where use of herbals has increased dramatically over the past decade. Ginseng has been used for over 2,000 years in Chinese traditional medicine as a tonic.

## Parking Rates to Rise

BY MICHAH RYNOR

**P**ARKING RATES ON ST. GEORGE campus are being aligned with those currently charged by comparable institutions in downtown Toronto.

At its April 18 general meeting, University Affairs Board agreed to raise prices for all three levels of permit parking by 10 per cent as of July 1, 2001.

"The main reason for the increase is that we've fallen behind other institutions that we compare ourselves to, such as area hospitals and Queen's Park," said Ivan Gottlieb, director of administration and services. "Our prices haven't risen for five years now and the University

Affairs Board has an established principle stating that the university shouldn't be charging a lot more or a lot less in relation to our neighbours and the marketplace in general."

Gottlieb said that because much of the current parking spaces on St. George campus are now — or soon will be — underground, construction costs must be factored into parking fees.

"The university will have to incur a debt load to fund the underground garage for the Bahen Centre for Information Technology and we have added maintenance costs for the underground spaces we already have," he added. "The additional revenues raised through higher fees will

partially offset the significant cost increases that arise from running and financing underground garages."

As of July 1, a "hunting" licence — which provides a car owner with unreserved parking in specific lots — will rise to \$72.10 from the current \$65.55.

A "block" reserve licence — which guarantees a space in an area but without a specific parking spot — rises to \$96.35 from 87.57, while a specifically reserved parking space will be \$120.45 as opposed to the current price of \$109.48.

The higher rates are supported by a recent report from the Services Auxiliary Review Board which stated that U of T parking rates should be more competitive.

## Caution: CIT Building Begins

BY JILL RUTHERFORD

**I**T'S LIKE A SCENE FROM A MOVIE — only call it *Cranes, Trucks and Trailers*.

Starting in the first week of May, construction begins in earnest on the \$88-million Bahen Centre for Information Technology just north of the Koffler Student Services Centre. Where a very large hole now sits, an eight-storey structure will rise over the next 18 months as a veritable army of construction workers descends on St. George campus.

And the watchword from Janice Oliver to the university community is: Be Aware.

"Two things have to happen," said Oliver, assistant vice-president (operations and services). "We have to ensure the safety for everyone involved and we have to accommodate up to 250 tradespeople on site. We call it, Motel PCL."

The PCL, of course, refers to the name of Canada's largest construction company which was awarded the Bahen building contract. PCL Construction Canada project manager Ken Shier was on hand at a recent meeting with Oliver and U of T project manager Bob Price

to discuss what people might expect as building proceeds.

For both pedestrian and vehicular traffic on St. George Street, caution is advised; trucks will be entering and exiting from two points just south of Russell and flag people will be positioned to ensure safety. There'll be two other truck routes on either side of the Fields Institute for College Street access to the site. Up to 20 trailers to house and feed the construction workers will be positioned between current buildings and the sidewalks on the east side of Huron south of Russell and on both sides of Russell between Huron and St. George.

And in the centre of it all will be three huge tower cranes. Where those cranes pick up material — the "pick point" as Shier described it — will be a danger area and a covered walkway will be built along that section of St. George Street so that pedestrians may pass in safety.

"For the next 18 months to two years, this project is going to have a big impact on the community," Oliver said. Activity will pick up steam over the summer so that by November, the full complement of workers are expected to be on site.

## Galaxies to Collide

BY JANET WONG

**T**HE GIGANTIC CLOUDS OF GAS and matter that pelted the Milky Way in its infancy are mere fender-benders compared with the catastrophic collision set to occur with the Andromeda galaxy in several billion years — and one U of T astrophysicist has mapped the fallout.

"We're on a collision course right now," said Professor John Dubinski of astronomy and the Canadian Institute for Theoretical Astrophysics who led the project with co-author Lars Hernquist of the Harvard-Smithsonian Center for Astrophysics. "Within three billion years, the Milky Way will be swallowed up and merged with the Andromeda galaxy."

The 2.2-million-light-year gap between the Milky Way and Andromeda is closing at about 500,000 kilometres an hour, he explained. That pace will quicken as the two galaxies near each other.

According to Dubinski, merging galaxies are not uncommon. In fact this type of interaction plays a key role in helping build larger galaxies and structures in the universe. While mergers of galaxies are less frequent now than in the early days of the universe, it's still an ongoing process and one in which our own Milky Way and its big sister, the Andromeda galaxy, are active participants, he noted.

Dubinski simulated this Milky Way-Andromeda interaction by following the motion of more than

100 million stars and dark matter particles as the gravitational forces of the two galaxies force them to collide. The simulation was a feat of parallel computing that took four days to complete on the San Diego Supercomputing Center's 1152-processor IBM SP3 Blue Horizon — one of a new class of supercomputers that can perform more than one trillion arithmetic operations per second.

In the end the simulation required the equivalent of three years of continuous operation on a single workstation. The result is a high-resolution computer animation of the collision and merger of the two galaxies from start to finish and some very detailed snapshots of the structure and dynamics of a galaxy merger.

At some point three billion years hence, the night sky will be completely filled by the approaching Andromeda galaxy and when the two galaxies intersect there will be two bands of light arching overhead — looking like two Milky Ways, Dubinski said. With the merger, two possible fates await the sun and Earth — we could be flung into the depths of intergalactic space and escape the galaxy forever or hurled into the centre of the merging pair where new stars will be formed.

For those left on Earth, it will be a spectacular display of galactic fireworks, he predicted. Massive stars near the sun will be exploding as supernovae at such a rate that the night sky will be bright enough to read a newspaper.



# Koren Disciplined

BY SUSAN BLOCH-NEVITTE

THE UNIVERSITY OF TORONTO and Hospital for Sick Children (HSC) have announced disciplinary measures against Dr. Gideon Koren for sending inappropriate letters to colleagues at the hospital.

Allegations were made against Koren, a professor of pediatrics, pharmacology and medicine, by Dr. Nancy Oliveri and four other of

Koren's HSC colleagues. In December, following a nine-month hospital investigation, Koren admitted to writing anonymous harassing letters to people at the hospital.

Sanctions include a suspension of almost six months, removal of Koren from his endowed chair at the university and repayment of part of the cost of the investigation.

"Dr. Koren's conduct was very wrong and a serious violation of the

university's standards and values," said President Robert Prichard. "The severe discipline reflects the university's unequivocal disapproval of his conduct."

Initially suspended on Dec. 22, 1999, Koren has already resigned from his positions as head of the population health sciences program at the hospital's research institute and as director of clinical pharmacology/toxicology at HSC's department of pediatrics.

## Upgrade May Cost \$200 Million

~ Continued From Page 1 ~

estimates \$3.6 billion in accumulated deferred maintenance costs among the 51 universities who participated in the study. U of T's share is estimated at \$150 million to \$200 million.

The association has issued an urgent plea to governments to increase investment in university infrastructure.

"It's as big a problem at the University of Toronto as it is anywhere

else in the country," said Professor Michael Finlayson, vice-president (administration and human resources). "One of the difficulties is that much of the deferred maintenance is invisible — it's infrastructure. It's what's behind the walls — wiring, the electrical system, the mechanical system, the chillers."

The problem is now acute because many of U of T's buildings were built between 1955 and the late 1960s, he added. "A life of about 40

years is normal [for such buildings]. That time has passed and so much of the infrastructure simply needs to be repaired and replaced."

U of T's list of needs is long and campus-wide. The OISE/UT, Medical Sciences, Wallberg and Ramsay Wright buildings, McLennan Physical Laboratories and Simcoe Hall are in serious need of roof repairs, new electrical systems or replacement chillers, used to cool many campus buildings by cold water.

## 2000 J. TUZO WILSON LECTURE

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# THE WEB INNOVATORS

*The brave new world of information technology doesn't have to be a scary place.*

*As some of U of T's faculty are discovering, it works — and it's fun.*

BY BRUCE ROLSTON

HOW CAN THE USE OF COMPUTERS ENHANCE traditional methods of teaching and research? How far do we need to move away from classroom lecturing if we are going to hold the interest of today's increasingly multimedia-savvy students? Is the Web a handy tool to improve our students' access to lecture notes and other information or does it put the professor's material at greater risk of plagiarism and loss of copyright?

These kinds of questions were common currency at the university's first information technology forum, Teaching, Learning and Research in Today's University. Around 700 university educators and staff attended to hear over 50 presenters explain the rewards and potential pitfalls of information technology innovation.

The forum was sponsored by the provost's office to complement the soon-to-be released report of the university's task force on academic computing and new media. While discussions of university information technology policy had their place, the real core of the two-day forum was workshops and lectures by some of the university's leading computer and multimedia innovators.

"We want to let people hear what is out there, the opportunities offered by information technology and the challenges," says organizer Joan Leishman, director of the Gerstein Science Information Centre.

Leishman's co-organizer Jenny Mendelsohn, head of the Noranda Earth Sciences Library, agrees. "If we can demonstrate how other professors use the technology successfully and how they got the stuff built, maybe someone else will say, 'Hey, I'm going to try that.'"

Here's a quick look at just a few of U of T's information technology innovators who were featured at the forum:

## A PERFECT EXAMPLE

IF ANY CLASS IS TAILOR-MADE for the creative application of information technology, it would be a 1,500-student introductory biology course. Professor Corey Goldman, who supervises BIO 150, says the creative use of computers is essential to maximizing his students' learning experience.

"First, we can enhance communication, both faculty-to-student and even more important, student-to-student, through the use of something like an online discussion board.

"Second, we can use the Web as a bulletin board to provide students easy access to course information, lecture time changes, the announcement of marks and so on. Students appreciate this because it's done on their time schedule, not ours. They don't have to wait for a classroom announcement or walk to the department office to read their marks on the wall."

"Third, we can enhance our lecture presentations themselves by posting the materials on the Web for the students to go back to."

Goldman's team has gone a step further, also providing Web-based interactive modules for the students that expand on material normally given as lab exercises. Modules allow students to do their own in-depth investigation of key course concepts like the Prisoner's Dilemma, manipulating the variables and, he hopes, sparking their own curiosity about the concepts.

"We can only do so much with these very complex concepts in a three-hour lab," says Goldman, who has so far completed three such modules with courseware development funds provided by the university.

## A VOICE IN THE DATABASE

LESSON NUMBER ONE: IT TAKES TWICE AS LONG TO teach anything using technology!" Professor Earl Woodruff of OISE/UT is half-joking as he introduces his session on integrating online coursework with traditional

face-to-face seminars; it's taken 15 minutes and help from two techies to get his PowerPoint presentation up and running.

But once it's fixed, the point is driven home — students learn better when they can engage more directly with academic material. That means not just waiting for class to talk about what they are reading and thinking about but e-mailing their ideas to their peers in intensive online discussions.

Woodruff doesn't set the number of notes each student must send online as a course requirement; the students, responding to peer pressure, set it themselves. The result each week is a permanent database that unlike a seminar discussion can be printed out and referred to at a later date. Another

significance, film clips can be presented, such as the Enola Gay dropping the atomic bomb or Martin Luther King Jr.'s I Have a Dream speech.

Multimedia, says McKellar, can bring the past more fully into the present. Students see and hear historical events and figures from the source and in most cases, the clips are used as a springboard into further discussions such as why the bomb was dropped or the political and social environment behind the King address. The aim: to leave students with some knowledge of American history and further develop their skills of critical thought and analysis.

And to help them distinguish between the movie star and the real historical figure.

## BUILDING RELATIONSHIPS

PROFESSOR ANDY ANDERSON INTRODUCED ONLINE "learning partnerships" to his OISE/UT students as a strategy to improve learning and strengthen the online community. The format of this course was a first for 91 per cent of the students

Anderson defines such partnerships as a relationship between two students in which they learn on equal footing. It encourages students to assist each other with writing thoughtful and carefully considered e-mail notes which he evaluates. Technology, Anderson says, reduces "information overload" by allowing students to review material at their own pace. His students assist each other with technology problems as well as course related questions.

Before his students logged into the online component of the course, Anderson met with them for four weeks in order to develop a traditional classroom relationship with them. After the class eased into a routine, he introduced online sessions as an extension to class discussions.

Anderson believes online learning addresses some of the weaknesses of the conventional classroom in which the students become passive receptacles of information and the teacher, symbolically situated at the head of the class, acts as the deliverer of knowledge. He also says the classroom offers little support for individual learning styles and doesn't always encourage students to take charge of their own learning by participating more actively.

"I strategically used technology to help bring ideas together, encourage students to think together and share with a wider audience to gain a deeper interpretation of the material."

## QUESTIONS OF OWNERSHIP

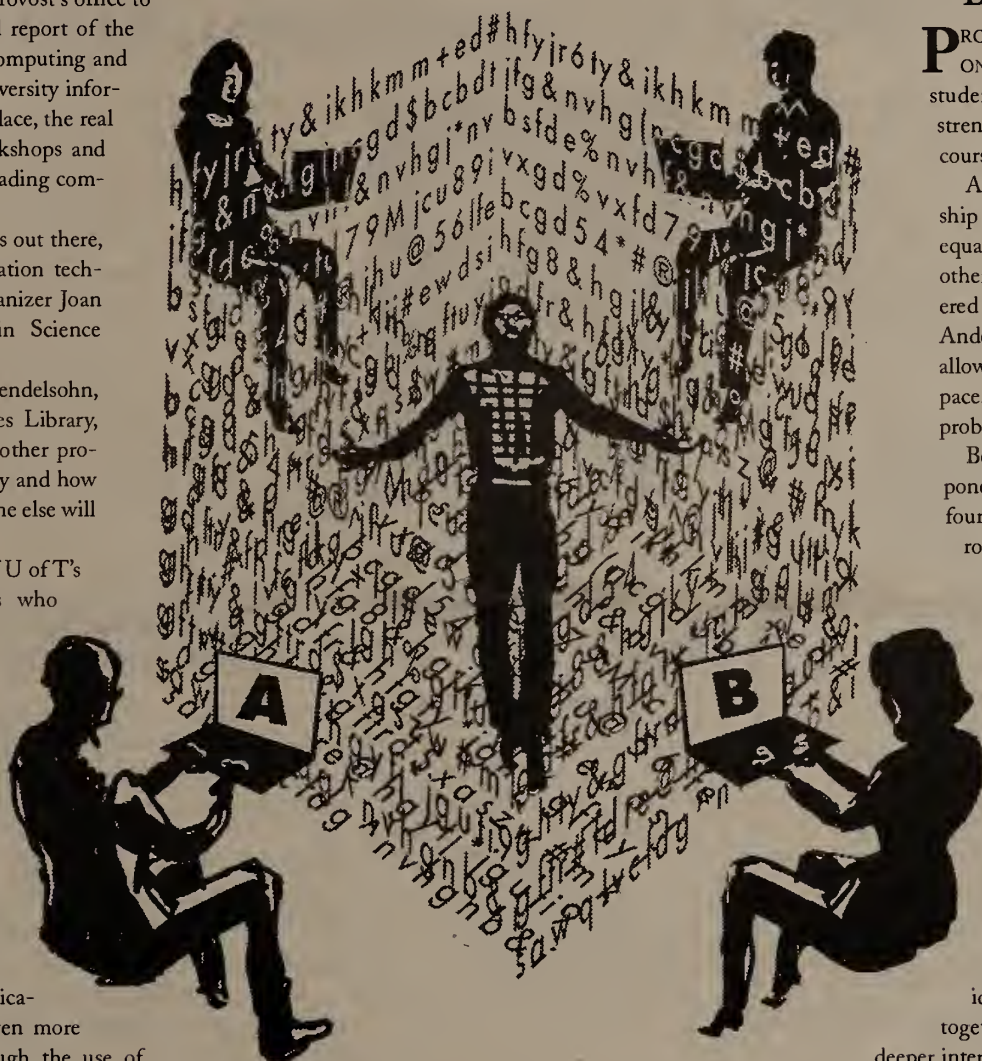
THE BIG QUESTION THAT HOVERS OVER ANY DISCUSSION of greater reliance by professors on the Web: if it's accessible worldwide, how far can teachers still assert their rights over the material?

Security itself is not a major concern: Goldman and other professors who use simple password protection to limit access to courseware to students actually taking the course, say they are having few if any problems. But the bigger question, says Ian Graham of the Scotiabank Information Commons, is who will own the products of these kinds of innovations: the professors or the university they works for?

When "course packages" consisted of little more than a suggested readings list, this was less of an issue. But now a university faced with losing a talented educator, or even a professor who contracted a teaching assistant to develop courseware, might see some advantage in retaining control over the online course materials when the developer departs, Graham says. In such cases, currently "there are no simple answers."

Groups like the U of T Faculty Association are encouraging the development of university-wide guidelines on this issue. But in the meantime, professors who use courseware owe it to themselves to keep informed on the issue and try to work out intellectual property questions with their department and colleagues in advance, Graham says.

*With files from Jill Rutherford, Janet Wong and Farheen Hasan*



VINCE MANCUSO



# St. Michael's College Receives Major Collection

BY MICHAH RYNOR

IN A SCHOLARLY COUP THAT SAW YALE UNIVERSITY DONATE thousands of documents to St. Michael's College, the J. M. Kelly Library is now the leading international centre for the work of renowned Dutch theologian Henri Nouwen.

Nouwen, who died in 1996, is widely known for his work on Catholic spiritualism in modern times. Ordained in 1957, he went on to teach at the University of Notre Dame, Harvard Divinity School, the Catholic Theological Institute in Utrecht and the Yale Divinity School.

"This is one theologian who is not only studied and admired by academics but by laypeople as well," said Louise Girard, chief librarian at St. Michael's and one of the key negotiators for his collection. "For example, my mother, my sister and my niece have all read him."

"He was arguably one of the giants of contemporary spirituality," added John Allan Loftus, president of Regis College and a friend of Nouwen's. "Many of his earlier works have become classics over the last 25 to 30 years and my guess is that they will withstand the test of time very



Theologian Henri Nouwen (1932-1996)

well. He had a strong background in psychology and was able to use these psychological insights and blend them effortlessly with the great religious spiritual traditions in Christianity."

The Henri Nouwen Literary Centre (which operates out of the Toronto branch of the L'Arche Daybreak organization

where Nouwen worked for the last 10 years of his life) approached several North American educational institutions about housing a large collection of his writings and correspondence.

After learning that the literary centre had accepted a proposal from St. Michael's to create a secure and accessible place for Nouwen's works at the Kelly Library, Yale University agreed to donate their vast collection.

The addition of Nouwen's papers is a major coup for St. Michael's especially, said Girard, since the bulk of these papers made up one of Yale Divinity School's most widely used collections — a collection started while Nouwen was still teaching there.

"Yale has been very supportive of this transfer probably because they realized that with most of Nouwen's later papers ending up at St. Michael's, it made sense from a research perspective for everything to be together at one location," she said.

The Nouwen Literary Centre has also agreed to pay for a full-time archivist, who will come on board July 1. The Nouwen Reading Room will be set up on the first floor of the Kelly Library and opened officially on September 21 — the fourth anniversary of his death.

## U of T Awarded Guggenheims, Killams

~ Continued From Page 1 ~  
enhance our profile in North America, and even on an international, scale."

Brumer, the Roel Buck Chair in Chemical Physics, is best known for major contributions he's made to theoretical chemical physics. He and his colleague at the Weizmann Institute, Professor Moshe Shapiro, opened up an entirely new branch of science — and a minor scientific industry — when in 1986 they introduced what came to be known as "coherent control of molecular

processes." Specifically, Brumer and Shapiro have shown how lasers can be used to encode quantum mechanical information into molecules so that they move towards a desired target.

Craik, the Max and Gianna Glassman Chair in Neuropsychology, is being honoured for his work in uncovering the processes of memory and, more lately, the effects of aging on learning, attention and memory.

Cross-appointed to Mt. Sinai where he is senior scientist at the



Professor Sajeew John

Samuel Lunenfeld Research Institute, Pawson has produced seminal studies of the basic mechanisms of cellular activity — showing how cells communicate with each other — that have furthered the understanding of cancer, immune deficiencies, cardiovascular disorders and diabetes.

This year's Guggenheim Fellows' research is equally impressive. Arthur, who was the first mathematician to win NSERC's Canada Gold Medal,

focuses on unifying the fields of algebra and analysis. Towards that end, he developed a "trace formula" in the early 1980s which has become known worldwide as "Arthur packets." John's research in leading edge solid state physics and laser physics may lead to the development of photonic computers using laser light to carry information instead of electric current. Feinstein, meanwhile, will be addressing post-traumatic stress disorders in post-apartheid Namibia.



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Reception to follow in Medical Sciences Building Room 3227.

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### RETIREMENT SERVICE AWARD PRESENTATION & RECEPTION

The Honourable Henry N. R. Jackman, Chancellor, will host a presentation and reception honouring members of the faculty and staff who are retiring at the end of this academic year.

Retiring faculty and staff members along with their immediate family are invited to attend the presentation of Retirement Service Award certificates that will commence at 4:00 p.m. on Tuesday, May 23, 2000 in the East Common Room, Hart House. A reception will follow, to which all members of the community are cordially invited to join. The reception will be held in the Hart House Quadrangle. In the event of inclement weather, the reception will be held in the Great Hall.

## UNIVERSITY OF TORONTO JOINT CENTRE FOR BIOETHICS

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**Norman Daniels, PhD**

Goldthwaite Professor of Rhetoric, Department of Philosophy  
Professor of Medical Ethics, Department of Community Health, School of Medicine  
Tufts University, Medford, Massachusetts

Monday, May 1st, 2000, 5:00 - 6:00 pm  
Toronto General Hospital, Norman Urquhart Wing,  
Banting Hall, Room 113, 200 Elizabeth Street

This annual Lecture was endowed at the Princess Margaret Hospital by the friends and family of Pippa Harris, a caring, bright and enthusiastic student who died from cancer.

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# Aventis Gift Benefits Vaccine Research

*New chair in immunology represents a "giant leap forward"*

BY JAMIE HARRISON

THE CREATION OF A NEW \$3 million chair in immunology research represents another step in the university's long relationship with Canada's largest vaccine company, Aventis Pasteur.

Aventis Pasteur is donating \$2 million to endow the Aventis Pasteur Chair in Human Immunology at the University of Toronto. The university will contribute \$1 million to the gift and add a further \$500,000 towards initial research infrastructure support.

"The endowment of this chair represents a giant leap forward for research into immunology at the University of Toronto," said Professor Heather Munroe-Blum, vice-president (research and international relations). "Aventis Pasteur is the world's largest producer of vaccines. The innovative research in immunology that this chair will undertake will advance progress in developing vaccines for deadly diseases such as HIV, cancer and influenza."

"Our relationship with the U of T started over 80 years ago when Connaught Laboratories was founded by Dr. John Fitzgerald and was part of the university. Throughout history the former Connaught Laboratories, and now Aventis Pasteur, has played a key role in

different forms of cancer and chronic diseases caused by infectious agents," said Professor David Naylor, dean of the Faculty of Medicine. "Pharmaceutical research in this area is at the cutting edge of medical science. It is exciting to know that the work that will be done by the chair will alleviate suffering in others."

"Another benefit," added Lievonon, "is that Canada's research and

development credentials will be greatly enhanced and Canadian scientists will be able to learn, grow and contribute on home soil through this initiative."

Aventis Pasteur is the vaccine division of Aventis, a world leader in life sciences. For more than 85 years Aventis Pasteur has protected Canadians against preventable disease. It manufactures or distributes 30 vaccines and immunotherapeutic products, which protect against 17 infectious diseases and common illnesses. As this country's largest vaccine company, Aventis Pasteur employs 1,000 people at its facility in Toronto.

UNIVERSITY OF TORONTO  
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improving human health with the development of new vaccines," said Mark Lievonon, president of Aventis Pasteur Limited. "This initiative will hopefully save millions of more lives through new, preventive and therapeutic approaches to diseases like cancer and HIV, inspired by research at the University of Toronto."

Established in 1984, U of T's department of immunology ranks among the top five immunology departments in North America based on the quality of its research and teaching.

"The focus of the chair will be finding vaccines to protect against



## UofT Libraries Hours • Summer 2000 8 May ~ 4 September

	Monday – Thursday	Friday	Saturday	Sunday
<b>Robarts Library and Gerstein Science Information Centre</b> 8 May – 4 Sept.	8:30 am – 11:00 pm	8:30 am – 6:00 pm	9:00 am – 5:00 pm	1:00 pm – 6:00 pm
<b>Audiovisual Library</b> 5 May – 20 Aug. 21 Aug. – 10 Sept.	8:30 am – 8:00 pm 8:30 am – 6:00 pm	8:30 am – 6:00 pm 8:30 am – 6:00 pm	Closed Closed	Closed Closed
<b>Engineering &amp; Computer Science Library</b> 8 May – 4 Sept.	8:30 am – 7:00 pm	8:30 am – 6:00 pm	9:00 am – 5:00 pm	Closed
<b>Erindale Library, University of Toronto at Mississauga</b> 15 May – 30 June 1 July – 18 Aug. 19 Aug. – 4 Sept.	8:45 am – 10:00 pm 8:45 am – 10:00 pm 8:45 am – 4:30 pm	8:45 am – 5:00 pm 8:45 am – 4:30 pm 8:45 am – 4:30 pm	12:00 – 4:00 pm 12:00 – 4:00 pm Closed	Closed Closed Closed
<b>Mathematics Library</b> 8 May – 4 Sept.	9:00 am – 4:30 pm	9:00 am – 4:30 pm	Closed	Closed
<b>Noranda Earth Sciences Library</b> 8 May – 4 Sept.	9:00 am – 5:00 pm	9:00 am – 5:00 pm	Closed	Closed
<b>OISE/UT Library</b> 5 May – 3 July 4 July – 11 Aug. 12 Aug. – 10 Sept.	8:30 am – 9:00 pm 7:30 am – 9:00 pm 8:30 am – 5:00 pm	8:30 am – 5:00 pm 8:30 am – 5:00 pm 8:30 am – 5:00 pm	9:00 am – 5:00 pm 9:00 am – 5:00 pm Closed	Closed Closed Closed
<b>Pharmacy Library</b> 8 May – 4 Sept.	9:00 am – 5:00 pm	9:00 am – 5:00 pm	Closed	Closed
<b>Thomas Fisher Rare Book Library</b> 8 May – 4 Sept.	9:00 am – 5:00 pm	9:00 am – 5:00 pm	Closed	Closed
<b>V.W. Bladen Library, University of Toronto at Scarborough</b> 15 May – 30 June 7 July – 18 Aug. 19 Aug. – 3 Sept.	8:45 am – 10:00 pm 8:45 am – 10:00 pm 8:45 am – 4:30 pm	8:45 am – 5:00 pm 8:45 am – 4:30 pm 8:45 am – 4:30 pm	Closed Closed Closed	1:00 pm – 5:00 pm 1:00 pm – 5:00 pm Closed

With the exception of the Robarts and Gerstein openings noted below, all libraries are closed the following days: Sunday 21 May & Monday 22 May (Victoria Day weekend), Saturday 1 July – Monday 3 July (Canada Day), Sunday 6 August & Monday 7 August (Civic Holiday), Sunday 20 August & Sunday 27 August, Sunday 3 September & Monday 4 September (Labour Day weekend).

Robarts Library and Gerstein Science Information Centre will be open Sunday 2 July, Monday 3 July, and Sunday 3 September.

For specific services and special hours and closings of individual libraries, please consult the web at [www.library.utoronto.ca](http://www.library.utoronto.ca) (Directories/Guide to Libraries)

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## Towards the Digital Media Institute: a lecture series

Thursdays, 3:00 - 5:00 p.m.  
April 13 - June 15, 2000  
University of Toronto  
Sandford Fleming Building,  
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Room 1105 (except as noted)



The University of Toronto's Knowledge Media Design Institute, Ryerson University, Sheridan College, and the Canadian Film Centre present this series highlighting researchers and research initiatives at the core of a planned international-calibre Canadian research institute focused on digital media. The series sponsors are the Ontario Ministry of Economic Development and Trade, Bell University Laboratory, and Communications and Information Technology Ontario.

Each week a moderated panel of researchers will present their ideas, and engage with the audience to challenge these ideas in a creative dialogue. Session topics illustrate the increasing importance of collaboration, crossing traditional disciplinary and institutional boundaries.

April 13: Introduction and Overview \*  
April 20: Digital and Interactive Television  
April 27: Computer Graphics and Animation \*  
May 4: Innovation and Context  
May 11: Accessibility and Usability  
May 18: Working and Learning Together  
May 25: Connected Communities, Enabling Technologies, and Mobility \*\*  
June 1: Design  
June 8: Intellectual Property Management  
June 15: Wrap-up and Next Steps

\*(Note: Sandford Fleming 1101)

\*\* (Note: Galbraith 119, 35 St. George Street)

Speakers include Paul Hoffert (CulTech Research Centre), Ronald Baecker (University of Toronto), Michael Murphy (Ryerson Polytechnic University), Robin King (Sheridan College), William Buxton (Alias Wavefront), Wayne Clarkson (Canadian Film Centre), Gale Moore (University of Toronto), Shauna Brail (MEDT), David Wolfe (University of Toronto), Karel Vredenburg (IBM).

Join us ... and together we'll explore the potential collaborations in new media research.

The series is free, but we ask that you contact us at [dmi.info@utoronto.ca](mailto:dmi.info@utoronto.ca) so we can arrange for sufficient coffee and snacks. For further information, live webcasts, and archives of the sessions, please see our information website at: <http://www.rcc.ryerson.ca/dmi>

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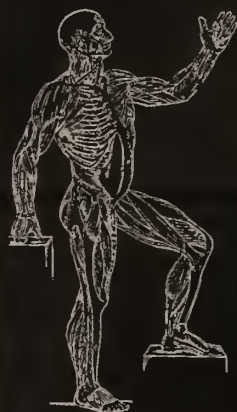
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## UNIVERSITY OF TORONTO BOOKSTORE SERIES

April 27th

OUTPOST  
The Traveler's Journal

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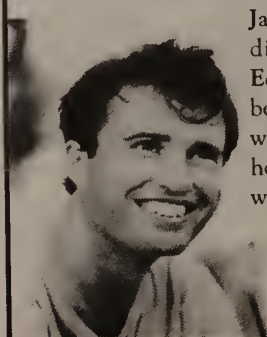


**Thurs., April 27th, 7:30pm, \$2 at the door**  
Medical Sciences Auditorium, 1 King's College Circle

May 1st

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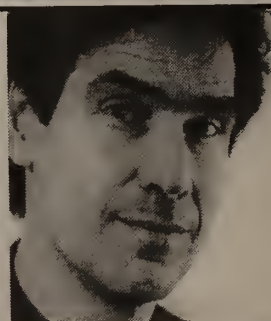


Jane Jacobs, author of *Systems of Survival*, discusses her new book, *The Nature of Economies*, which looks at the connection between economy and nature. John Stackhouse, whose new book is *Out of Poverty*, reports on how people around the world are finding creative ways to end their poverty.

**Monday, May 1st, 7:30pm**

Hart House Theatre 7 Hart House Circle.

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April 28th  
**Michael  
Ignatieff**

The author of *Blood and Belonging* and *Warrior's Honour*, continues his study of war and nations with his new book, *Virtual War*, which looks at Kosovo as the beginning of a new era of contemporary warfare.

**Friday, April 28th, 7:00pm Free**  
Medical Sciences Auditorium,  
1 King's College Circle





# HEADING FOR TROUBLE

*Serious sport injuries can be prevented, says a team physician. But in the high-risk culture of competitive sports, no one appears to be listening.*

By DOUG RICHARDS

IT IS DIFFICULT TO BROWSE THROUGH THE SPORT section of any major daily newspaper these days without finding another story about concussions. The question arises, What can we do to stop the litany of injury we are witnessing? First, we would like to prevent such injuries from ever happening. Secondly, we need to better identify them when they do occur, to prevent serial concussions.

Both historically and currently, concussions in sport have been grossly under-reported. This is a conspiracy of two factors — a lack of decent tools for objective determination of this injury and a “culture of risk” in the sporting community that hides injury to allow continued participation in spite of risk.

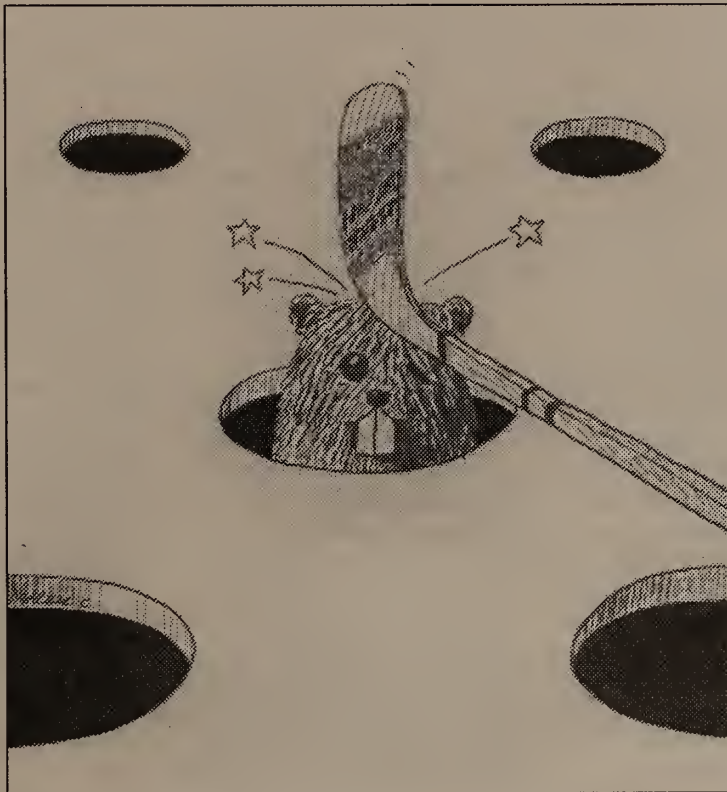
Clinical diagnosis of mild concussion currently relies upon athletes to be honest and forthcoming. An athlete whose only symptom is a headache can, if she or he wishes, decide not to share this with anyone. Eric Lindros may or may not have been forthcoming with his team’s medical staff about his headaches. However, it is difficult to hide vomit on a massage table, so the conspiracy of silence in that case, and many like it, may well have extended beyond Lindros to include staff whose primary function should have been to protect his health.

Early in the last decade, as the medical director for intercollegiate athletics at U of T, I took what was then viewed as a very conservative position regarding return to play following concussion. In short order, word spread among the athletes that “if you tell Richards you are seeing stars, he won’t let you play” so I think I missed hearing about whole constellations, so to speak. Some athletes on one team nicknamed me Dr. Death and that stuck for several years.

A group of faculty at U of T and the Toronto Rehabilitation Institute is now engaged in a research project, one goal of which is to validate a reliable sideline assessment protocol designed to objectively diagnose mild concussion. Nonetheless we still depend on the athlete coming to us with a complaint before this protocol can be administered.

There are four factors most closely correlated with risk of concussion: choice of activity, inadequate protective equipment, lack of or violation of rules designed to prevent head injury and an individual history of prior concussion(s).

You don’t have to be a neurosurgeon to guess that the activities at greatest risk of concussion are those with the greatest risk of high velocity blows to the head. In North America tackle football and ice hockey are the one-two punch here (pun fully intended). Globally soccer causes more such injury than either of these. When risk is characterized as a rate (injuries per number of exposures or hours of play), the worst offender is boxing, an activity in which the goal is to damage the opponent’s brain and the magnitude of victory is measured by the degree of such damage (many medical associations have recommended a



ban on boxing). Equestrian and motor sports, cycling, skiing, snowboarding, rugby, gymnastics, diving and basketball all pose significant risks of concussion; and other sports are not totally immune.

For some of these activities, some decent measure of protection is available in the form of well-designed helmets. Physically speaking, the role of a helmet is twofold — to absorb energy from a collision and to distribute energy not absorbed as broadly across the head as possible. The most effective helmets are “single use” helmets such as the polystyrene cycling helmet. The “padding” is designed to deform and permanently absorb energy from a collision. After doing its job it does not “bounce back” and must be disposed of. Such materials are not practical for football or ice hockey helmets, where multiple blows to the head are experienced in every game. One cannot change one’s helmet after every play. Having said that, better designs are appearing on the market, particularly for ice hockey. Some players complain of the expense of a good helmet. I offer a phrase seen on a sign in The Cycle Path on Danforth Avenue 10 years ago: If you have a \$10 head, buy a \$10 helmet.

Even good helmets must be worn and fit well in order to work. How often have you seen a cyclist with a helmet strapped to the pannier? I suppose it might protect the rear wheel a little in a collision. How about hockey players who wear loose-fitting helmets to facilitate spitting under their visor by tilting the helmet back? I half-chuckled and half-wept at the television

commentators who suggested that Donald Brashear’s chin strap was too loose, allowing his helmet to fall off when Marty McSorley played lumberjack on his head. A helmet should fit tightly enough that the chin strap is an afterthought and not what keeps the helmet on the head.

Given that we choose to play sports in which collisions are an expectation (and I will avoid debating the wisdom of that given space limitations here), we can at least choose to regulate the nature of collisions allowed in the hopes of preventing most, if not all, injury. This has been the case in both tackle football and ice hockey.

Tackle football adopted rules that eliminated “spearing,” or the initiation of contact with the helmet, in the 1970s. As a result the incidence of death and catastrophic neck injuries plummeted and the incidence of head injury improved somewhat. In close observations of football I notice that much spearing still occurs.

Ice hockey rules changed some years ago after it was recognized that the worst injuries occurred when players were checked from behind, sending them head-first into the boards. If only coaches and players would observe that rule, and officials would enforce it, ice hockey would be much safer. While they are at it, they might check the rule book and notice such illegal activities as boarding, cross-checking and high-sticking, almost none of which is ever called as an infraction in games. I think that the ice hockey community needs to engage in a wholesale return to a game more reliant on speed and finesse, and less on violence, to put the puck in the net.

Last but not least individuals who have sustained at least one concussion have been shown to be at greater risk of future concussions in sports. It is unclear whether the first concussion merely identified them as someone inherently (perhaps genetically) at risk or whether the first injury damaged their brain or its mechanical suspension in some way and increased their risk. This is a moot point — they are at greater risk.

Recently a parent brought their 14-year-old son with National Hockey League aspirations came to see me after his sixth concussion. I suggested he find another sport. Unbelievably, the parent was not impressed with my advice, feeling that I was cutting short their son’s future stardom with such a prescription.

This “hockey parent” typifies those aspects of the culture of hockey, and sport in general, that most need to be changed. Sports, and physical activity in general, should be healthy and fun. Some of us just don’t get it.

*Doug Richards is the medical director and an assistant professor at the David L. MacIntosh Sport Medicine Clinic. He is also the team physician for the Toronto Raptors Basketball Club, National Basketball Association.*

MARK CIEKIEWICZ



The John P. Roberts Research Institute

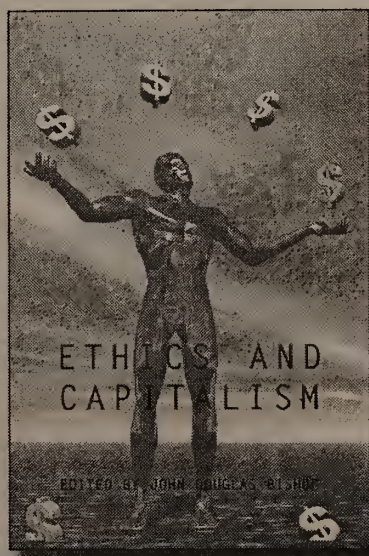
The John P. Roberts Research Institute is the only privately operated medical research facility in Canada and is affiliated with both London Health Sciences Centre and The University of Western Ontario

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*Appreciation is expressed to all who respond to this advertisement; however, only those to be interviewed will be contacted.*



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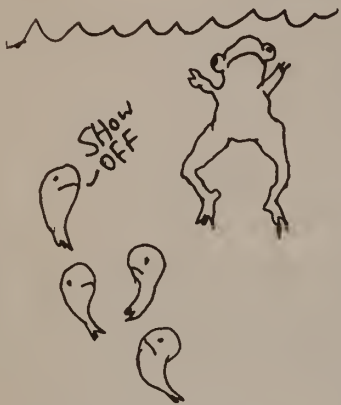
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## LEAPFROGGING TO EFFECTIVE HEADACHE RELIEF



MIKE ANDRECHUK

**Evolutionary change leapfrogs over tadpoles**

U of T scientists have recently discovered a species of frog that skips the tadpole phase of development but still requires a thyroid to grow into fully formed adults.

"We already knew that many frogs — mostly in tropical zones — bypass the tadpole stage and hatch from eggs as tiny versions of mature adults," said Professor Richard Elinson of zoology, who co-authored a paper with former doctoral student Elizabeth Callery. "But the question was, How did they manage to do it? Since a tadpole requires thyroid hormone to mature into an adult, was the hormone eliminated along with the tadpole phase? It had been assumed that this other species developed without a thyroid hormone but we've shown they still have a thyroid-dependent state."

Elinson calls this a classic case of evolutionary change in development. The theory is that this species, found

in the tropics of Puerto Rico, evolved over millions of years to the point where it retained the hormone but lost its tadpole phase. In other words, he said, these frogs devised ways to evade dangerous living conditions in water containing predators — their mating occurs on land, fertilization happens in the body of the female and eggs are laid and hatched on land.

The paper, entitled Thyroid Hormone-Dependent Metamorphosis in a Direct Developing Frog, was featured in the March 14 issue of *Proceedings of the National Academy of Sciences of the United States of America*.

JANET WONG

**Botox effective in headache relief**

A bacterial toxin known to cause severe illness in humans when taken in large doses can be an effective headache pain reliever, says a U of T study in the March issue of *Headache*.

Botulinum toxin A — more commonly known as Botox<sup>®</sup> — is a protein structure derived from the same family of bacteria that causes tetanus, an often fatal disease. This chemical causes temporary muscle paralysis by blocking transmission of nerve impulses and is currently used to treat an array of maladies including crossed eyes and juvenile cerebral palsy.

"Anywhere there's a muscle, there's likely a use for this chemical," said Dr. Robert Freund, an associate in the Faculty of Dentistry who led the study. "It's easy, safe in small doses

and surprisingly effective." Freund and colleague Marvin Schwartz compared two groups of patients suffering from headaches associated with neck pain — one with targeted botox injections in the head and neck, the other receiving a saline solution. After four weeks the treatment group showed a substantially greater range of neck movement and reduction or elimination of pain while the placebo group showed no changes. The results match other studies on tension headaches and migraines.

"Headaches don't normally occur in isolation," Freund said. "Our study provides new direction on how to deal with head and neck pain and headaches in particular. By treating the muscle groups in continuity, we hope to be able to improve the overall quality of life for patients who suffer from these aches."

STEVEN DE SOUSA

**Tax system fair to one-earner families**

Under Canada's tax system one-earner families with children are at least as well off financially as two-earner families with children when comparing identical incomes, say Professors Gordon Cleveland and Michael Krashinsky of Scarborough's management division.

With the debate over tax fairness heating up, there has been a growing sentiment that Canada's income tax system discriminates against stay-at-home parents and favours parents

who enter the paid labour force, the researchers said. They examined one- and two-earner families with the same household income and found that one-earner families come out slightly ahead when taxes, work-related expenditures and non-taxation of household work are taken into account. The comparison does not apply to single-parent families.

To truly compare the standard of living for one- and two-earner families, people must look beyond income tax payments and, instead, measure disposable income after both taxes and necessary work expenses, Krashinsky said. While two-earner families may pay slightly less tax, they have child care costs and other work expenses not incurred by single-earner families. At the end of the day the two-earner family has less income available for consumption than the single-earner family.

"The child care expense deduction has been criticized as an unfair advantage for two-earner families because single-earner families don't get any help in raising their children," Cleveland added. "In reality this deduction partially corrects for the advantage enjoyed by one-earner families in the non-taxation of household work."

CHERYL SULLIVAN

**Teasing about weight has dire results**

Girls who are teased about their weight can develop serious eating

disorders, poor body image and distorted eating patterns, preliminary results from a U of T study on body-based harassment show.

Professor June Larkin of the Institute for Women's Studies and Gender Studies and Carla Rice of Sunnybrook and Women's College Health Science Centre studied the verbal abuse of girls 12 and 13 years old — when bodies their are changing due to puberty — at the hands of male classmates. "We found that a boy calling a girl fat is a very common practice regardless of how much a girl may weigh," Larkin said. They discovered "body-based harassment" often creates distorted eating patterns in girls — many of whom are not overweight.

"During interviews about harassment we found that girls introduced the subject of body image; in interviews about body image we found the girls talking about harassment. It became very clear there was a connection between body-based harassment and the development of poor body image and disordered eating patterns," Larkin said. "Up until now this link hasn't been explored."

The study, conducted last fall, involved approximately 100 girls in grades 7 and 8 from schools in the Kitchener and Waterloo areas. Larkin hopes that by studying gender-based body harassment, programs can be developed to prevent eating and body image problems.

MICHAEL RYNOR

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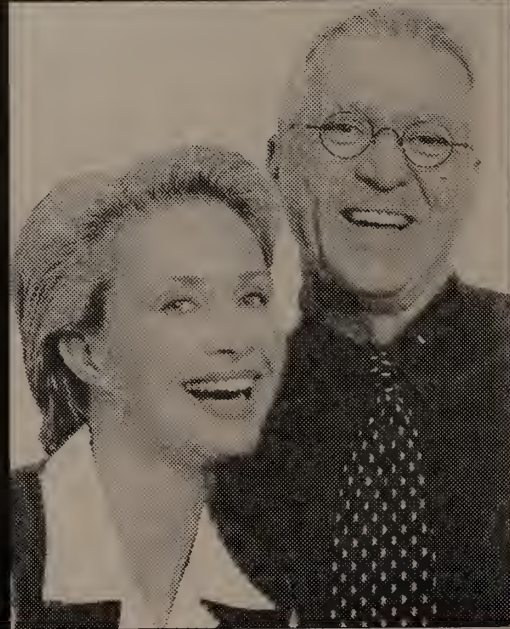
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## SICK KID'S POLICIES NOT WIDELY ADVERTISED

In reply to my piece on institutional responsibilities in the deferiprone case (A Price too High? March 27), Dr. Manuel Buchwald, chief of research at the Research Institute of the Hospital for Sick Children (HSC), states that the hospital "now" has a policy actively discouraging its researchers from signing contracts that interfere with their freedom to discuss their research openly, i.e., their academic freedom (Policy at Sick Kids Among the Best, April 10). This is a step forward.

Still I, and the public in general, can be forgiven for being unaware of significant changes in the hospital's policy with regard to the content of research contracts, since this has not been emphasized by the hospital's representatives in responding to the media. Although Dr. Buchwald now writes that HSC's Web site contains a list of recommendations and further details, I could find no such list on the enormous Web site, or any mention of the specific

problem of the wording of research contracts.

Also, to my knowledge (from following the deferiprone controversy in the media), Dr. Nancy Olivieri was never reprimanded specifically by the hospital for signing a contract that contained clauses inimical to her academic freedom. Such a reprimand would have sent a very clear signal of the hospital's priorities during the initial phases of the dispute.

In comparison with U of T and the Medical Research Council, however, the Hospital for Sick Children does appear to be doing something to firm up its standards regarding research contracts. All three sorts of institutions — hospitals, universities and research councils — need to be more proactive in order to ensure that funds that, in the end, are from Canadian taxpayers are not obtained at the price of contracts that interfere with the free dissemination of differing expert opinions.

JOHN FUREDY,  
PSYCHOLOGY

## REPROACHES DIRECTED AT THE ADMINISTRATION, NOT THE UNIVERSITY

The Ontario Human Rights Commission's investigator in the complaint of Dr. Kin-Yip Chun found the charges needed to be looked into by a board of inquiry. The administration has hotly denied this in an 85-page brief attacking the investigator's report. In your story on this you attribute to me some sentiments I had in fact expressed to your reporter (U of T Rejects Call for Chun Inquiry, April 10). I think the administration's brief terribly adversarial, disheartening to anyone who like myself has been trying for years to find agreement on an amicable resolution of the dispute.

Your story misquotes me in one respect and I wish to correct it. My reproaches were not directed against the university and I insisted on this point to your reporter: I am a member and a loyal member of the university; what I deplored was the stance in this case of its present administration.

I fear that Provost Adel Sedra has been misquoted as well. Your reporter attributes to him the charge that Dr. Chun has said that no resolution would be acceptable that failed to give him a tenured position in the university. Dr. Chun's position has not been that. Professor Sedra knows it has not and presumably regrets your attributing the misinformation to him.

The point has some importance now for the processes under way to resolve the dispute do not appear to be making rapid progress. Dr. Chun has been open in the past to arbitration without preconditions — in particular, he does not insist that only awarding him tenure could provide fair redress. The administration has rejected arbitration in the past unless *its* precondition be attached: that tenure can *not* be awarded. It might be timely now for Professor Sedra to drop his precondition and for arbitration to be attempted.

CHANDLER DAVIS  
MATHEMATICS

## COMPARE CREDENTIALS

In reply to the article U of T Rejects Call for Chun Inquiry (April 10): Why not publish the successful physics candidates' CVs side by side with those of Dr. Kin-Yip Chun? We will see who is better. U of T should do it for the four competitions between 1987 and 1992 to avoid the stigma of racism. Continued denials only re-enforce it.

JOHN CHAU  
FORMER RESEARCH ASSOCIATE,  
PHYSICS

## LETTERS DEADLINES

MAY 5 FOR MAY 15

MAY 19 FOR MAY 29

Letters may be edited for brevity or clarity and should not exceed 500 words. When submitting letters, please include a telephone number and, if possible, an e-mail address. Please send to Ailsa Ferguson, associate editor, at 21 King's College Circle; fax, 978-7430; email, ailsa.ferguson@utoronto.ca.

## ON THE OTHER HAND

B Y N I C H O L A S P A S H L E Y

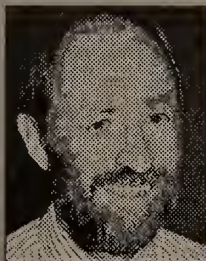
## POWER TO THE PEOPLE

LATE APRIL AT LAST, BUT ONLY THE bolder among us have put away the snow shovels. Of necessity, we face spring with guarded optimism. Still, you know me — always trying to cheer you up. And, because I care, here's the latest bulletin from the pop diva watch. Whitney Houston has, by all accounts, gone utterly loopy. Mariah Carey is recovering from a dodgy oyster experience, which caused her to postpone a recent Toronto concert. And Celine Dion approaches the end of the fourth month of her sabbatical, spending large sums of money on real estate and threatening to join the ladies' professional golf tour. Which is jake by me. No news yet on Shania Twain, but it's only April.

Possibly the best news of all comes from a thoroughly gripping radio ad paid for by the taxpayers of Ontario. You've probably heard it. Against a percussive backbeat the virile voice of the Ontario government — i.e., an actor — tells us what we've been waiting to hear: soon we will have a choice of energy providers. If life gets any better than this without free beer, I can't imagine it. A choice of energy providers. Golly!

Have you noticed that as the number of television channels grows, the number of things to advertise increases accordingly? Back when we had three or four channels to watch, we had a limited number of things in our lives. Three car companies. A couple of gas stations. One manufacturer of miniature marshmallows. Still, we were happy then. We didn't need a choice of miniature marshmallow providers. We made our own fun.

I can't remember exactly when I encountered my first telephone-related commercial, but it was late in life. In my day we didn't need telephone commercials. You knew where telephones came from. If you wanted one, you knew where to go. These days you



can't turn the box on without dogs, frogs and Murphy Brown. Now it's going to be the same thing with energy, or electricity as we used to call it. Or hydro, as we really called it.

There was a time we knew where the hydro came from. It came from Niagara Falls. There was a thrill from knowing that your lights came on because of one of the world's great natural features, a place overseas visitors couldn't wait to see. You could visit Niagara Falls, see the rugged beauty, feel the awesome power, buy the chintzy souvenirs.

As I get older I become a pickier consumer. I have eschewed supermarket cheese for better stuff from an authentic Bloor Street cheese store where everybody knows my name. Well, they don't actually know my name but they start reaching for that perky four-year-old Ontario cheddar the moment I walk in. When I bite a piece of cheese, I like it to bite back. And you can keep those factory-made beers; give me something that tastes of hops and malt, thank you very much.

And that's the way I want my hydro. When these new energy providers come sniffing around for my business, I've got a message for them. I want hydro. None of this mass-produced nuclear garbage from Pickering or wherever. I want my power to come from a waterfall. I'm used to Niagara Falls, but I'm open to suggestion and I'm willing to pay a modest premium for the best. I want to buy my hydro from a scenic little micro-power plant, maybe in Kakabeka Falls. I want good hydro, but I don't need a whole lot of it, just enough to run the hi-fi and the blender. And if Celine Dion's available on vinyl, I don't want to know about it.

Nick Pashley buys, sells and reviews books for the U of T Bookstore.

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Ads will not be accepted over the phone. To receive a tearsheet and/or receipt please include a stamped self-addressed envelope. For more information please call (416) 978-2106 or e-mail nancy.bush@utoronto.ca.

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**Traditionally furnished,** carpeted, two-bedroom apartment in Toronto with balcony in secure building, on High Park subway. Free outdoor pool. \$1,200 monthly including hydro, cable and telephone. Suit mature couple. Mid-May to mid-October. (416) 763-3125.

**Pied à terre.** Spacious ground floor, charmingly furnished, 1 BR, renovated Cabbagetown Victorian. \$67 per night including utilities/cable/2-car parking. Private entrance. Garden. Non-smoking single person. Minimum 2 weeks. (416) 359-0380, kimgalv@pathcom.com

**Danforth-Pape:** sunny apartment to rent for one year from August (owners going abroad). Two bedrooms, sitting room, study, kitchen and bathroom. Deck, garden, garage. Steps subway. Monthly cleaning. \$1,450 + utilities (circa \$100) per month (or furnished, extra). No smokers, pets. E-mail: dnorth@accessv.com, (416) 469-0765 (voice) 1316 (fax).

**Annex house.** 3 bedrooms, study, 3 bathrooms, finished basement, beautiful garden, elegantly furnished, 5 minutes from Bloor Street and university. Rental July-October inclusive. \$3,800/month (includes weekly cleaning). E-mail: ant.feinstein@utoronto.ca, tel: (416) 588-4927.

**Furnished, traditional North Toronto** home: 3 bedrooms plus study, main-floor family room, fireplace, central a/c, charming city garden. Close to subway, excellent schools, shopping, park, tennis courts. August 1, 2000 - July 31, 2001 (dates flexible). \$2,600/month. (416) 487-0104, bgainer@ssb.yorku.ca

**Walk to U of T,** all amenities. Annex. Furnished 3-storey Victorian, 3+ bedrooms. A/C. Parking. Housekeeping. Must care for 2 cats. \$2,000/month. June 30 — August 20, 2000. (416) 972-6239

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**Summer rental:** July 1 to August 31. Furnished 4-bedroom, Yarmouth Road close to Christie & Bloor. Sunroom in back, skylight upstairs. Washer & dryer. Garage. Prefer family. Non-smokers only. \$1,400 plus utilities. (416) 536-4501.

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**Sabbatical home rental,** U of T prof. Excellent location in Riverdale area. Fully furnished, 3-bedroom, 2-bathroom house. Finished basement den. Close to parks and TTC line. 20-minute TTC ride, 45-minute walk to campus. Across from excellent school. Non-smokers. September 1 — January 1. \$2,000/month. (416) 465-2741; byer@civ.utoronto.ca

**Bloor/Christie.** Sabbatical rental for academic year 2000/2001. Furnished family home, 2 bedrooms, 2 bathrooms, finished basement, backyard, close to schools, libraries, shopping and subway. Walking distance to U of T. No smoking, no pets.

\$1,500/month + utilities. (416) 536-0743 after 6 p.m. or leave message.

**Bayview & Manor.** 1-bedroom apartment. Furnished. Parking. Quiet 2nd floor of corner house. Bright, sunny. Private entrance. Non-smoker. July 2000, short or long stay. \$1,250/month. Presently rented by U of T prof. (416) 322-6502.

**U of T, TGH, HSC 5-minute walk.** Bachelor in rebuilt Victorian house, carpeted, good kitchen, second floor, balcony. Coin laundry facilities. Non-smokers please. \$750 + utilities. Call (416) 595-0026.

**Summer rental College-Dovercourt** May to August (flexible). Very large two-bedroom apartment, huge garden, fully equipped, cable, VCR, laundry. \$1,475 inclusive. (416) 531-6042.

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**Summer rental, High Park/Bloor.** Furnished 1-bedroom apartment. Laundry in building. 5 minutes to subway. Security entrance. Balcony, unobstructed view. Outdoor pool. Available July and August. \$800/month. No pets. Non-smokers. References required. (416) 769-7186.

**Two-storey house** in beautiful Port Credit/South Mississauga. Four bedrooms, fully furnished with extras; fireplace, piano, TVs, VCRs. Steps to GO station and all amenities. July 1 for one year, \$1,900 plus utilities. Call John Bald, Realtor (905) 855-2200.

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**Furnished, attractive, 2-bedroom** town-home in North Toronto. TTC to York and UT. Parking, 5 appliances, 1 1/2 baths. Non-smoking, no pets. \$1,400/month plus utilities. September 2000 — June or July 2001. sschecter@edu.yorku.ca; (416) 223-5279.

**Yonge & Bloor.** Luxury bachelor + solarium condo. Modern, bright and clean. Five appliances, 24-hour concierge, gym facilities, bike room. One-minute walk to Rosedale subway station and Yorkville. Partially furnished, 9' floor-to-ceiling windows. 1-year lease minimum. Available July 1. \$1,250 monthly all inclusive. (905) 281-3190.

**Sabbatical house.** Available July 1 — June 30, negotiable. \$2,000/month + utilities. Furnished. Walk to U of T. Close to shopping. 3 floors plus finished basement, open concept. Sunny deck off kitchen. No smoking. No pets. (416) 978-6810, smorris@physics.utoronto.ca

**Annex: Spadina/Bloor.** Lovely Tudor 2BR + study, sunny upper duplex. Spacious, furnished and equipped. AC, fireplace, deck, parking, laundry, security. Walk to U of T and Yorkville. Non-smokers. \$2,200 monthly including utilities. Available May, short- or long-term. (416) 960-2145.

**Sublet.** 2-bedroom, spacious apartment. 15-minute walk from university in the heart

of Little Italy. Furnished; separate entrance; hardwood floors; big deck. \$950/month OBO. Available June & July. Call (416) 516-0968 or tongue.tied@sympatico.ca

**Avenue Road/Macpherson.** Walk to U of T. Immaculate modern furnished, basement bachelor apartment in quiet home. Fully equipped. Laundry access. Separate entrance. Cable. Non-smoker. No pets. \$900 including utilities. Immediate. Tel: (416) 944-0832. E-mail: cooney@booksforbusiness.com

**Downtown, large one-bedroom flat,** with chatty cat. Mid-June — mid-September 2000. Fully equipped. (416) 504-5734.

**Sabbatical rental available** summer 2000. Teacher with 2-bedroom, 2-storey, renovated, furnished, detached house, full unfinished basement, large deck overlooking landscaped patio-backyard; tree-lined street; 3-minute stroll from Greenwood subway; 5-minute drive from Don Valley Parkway. \$1,500 (I pay utilities). Mary (416) 466-8260.

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**Near Yonge-Eglinton.** Charming Tudor 2BR upper duplex. Bright, spacious, fully furnished. AC, fireplace, deck, laundry, garage. Close to TTC, excellent schools. \$1,495 inclusive. Available from late June — January 1 (flexible). Non-smokers (416) 483-2809.

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**Annex.** Luxury, spacious, bright, 1-bedroom apartment. Close to Bathurst subway. Large gourmet style kitchen with open-concept living/dining room. Walk-out to deck from bedroom and living room. Available May 1. \$1,500/month. (416) 324-1285.

**Jarvis/Wellesley.** Luxury 1+1 bedroom (den) condominium. Bright, spacious layout. Pool, squash, tennis, basketball, roof deck, south-facing lake/courtyard view. Parking available. Available May 1. \$1,700/month. Call (416) 324-1285.

**Queens Quay:** fully equipped and furnished new one-bedroom with solarium, AC, parking, large balcony with lake view. June to September or December: \$1,500. (613) 233-6654, muse@cyberus.ca

**Four minutes walk** from Bloor and Yonge, large two-bedroom apartment, air-conditioned, five appliances, parking, cable, linen, cutlery. Available from late June to late September (or for shorter period). Asking \$1,250/month. (416) 960-5556.

**Ideal home for sabbatical visitor.** House, 2 bedrooms plus 1 bedroom in

basement, 1 1/2 baths, fully furnished. Attached garage. Walking distance to subway, 25 minutes ride to U of T and teaching hospitals. Minutes walk to stores, schools, sports facilities. \$1,600 monthly plus utilities. Available immediately. (416) 239-0115.

## ACCOMMODATION RENTALS REQUIRED

**Sabbatical housing needed:** one-bedroom or studio, within 2.5 km of Bloor-St. George intersection, entrance accessible to handicap scooter, quiet, air-conditioned, ideally available June 1, 2000 to August 31, 2001 but would accept move-in date up to August 20, 2000. Contact David Fott at dfott@nevada.edu or call collect (702) 893-6018.

**Canadian-German couple,** both teachers, seek a central Toronto home to housesit for a year beginning August 2000. Fax: 011-49-40-39-21-28. E-mail: Gbergfeld@aol.com

**Post-doctoral fellow** from Halifax looking for furnished two-bedroom apartment/house for fall term 2000. To lease or swap for two-bedroom flat in Halifax (handy Dalhousie). Dates flexible. Contact: Alan MacAulay, (902) 422-6528; noahand@supercity.ns.ca

**Former Toronto professional** family currently living in Barbados looking to rent furnished 3-bedroom house for July and August. Prefer central location near transit. Use of children's toys/videos appreciated. Would also rent vehicle if available. Contact gmerick@caribnet.net or phone (246) 432-5539.

**Academic/professional couple** seek furnished home short-/long-term from August 2000 (flexible). Call Paul or Jodie at (416) 782-5468 (h); dalton@chem-eng.utoronto.ca

**Wanted: furnished quiet condo** for September to December or mid-September to mid-December. Prefer theatre/financial district or Harbourfront. Prefer penthouse. (416) 952-7637.

## ACCOMMODATION SHARED

**Danforth and Broadview.** Renovated house to share. Ideal for visiting professor or doctoral student. TTC 15 minutes to U of T. A 9x12 furnished bedroom/office with private deck over backyard. All appliances, fireplace, yard. Street parking. Non-smoking, pet-free, organized, quiet. Includes maid/utilities. \$485. Available May 1. Call Ken Shepard, PhD, (416) 463-0423.

**Renoed Cabbagetown home** to share with professional GWM. Spacious, comfortably decorated, fully furnished except your bedroom (12x13). 5 appliances and laundry on site, TTC, prefer other gay male. \$650 inclusive, available May 1. Pierre (416) 214-0136.

## ACCOMMODATION OUT OF TOWN

**House & car swap in greater Victoria, B.C.** 2-3 bedroom house, quiet residential street, minutes from sea and downtown, 15 minutes from UVic. All appliances, 2 resident cats. Suit single/couple. Timing negotiable. Contact jmhowe@coastnet.com

**Summer in Vancouver!** 3-bedroom suite, 2,000 sq. ft., main and upper floor, in heritage house on the west side (Kitsilano.) Fully furnished, very nice and clean. Walk to the

beach and shopping. Close to UBC. Available June 9 — August (or any part there of). No smoking, No pets. \$1,900/month including utilities and cable. Possible swap with house/condo in Toronto/Etobicoke or cottage north of Toronto. (604) 732-3143, ormesher@home.com

## ACCOMMODATION OVERSEAS

**South of France,** Languedoc. Rustic, fully equipped stone house, secluded terraced garden in remote, undiscovered village. Spectacular views, magnificent hiking, day trips to markets, vineyards, Roquefort, Nîmes, Montpellier. Sleeps 7. \$500/ week, (negotiable off season for sabbaticals). Please call (416) 925 7582 or e-mail jeremy.squire@utoronto.ca

**Paris-Montmartre.** Perfect sabbatical rental. Bright, spacious, modernized, furnished two-bedroom apartment overlooking peaceful treed courtyard. Six appliances. Secure. Elevator. Resident concierge. Excellent transportation/shopping. No pets or smoking. Available August 1. \$1,975 monthly. (416) 978-4882 or 102063.2152@compuserve.com

## BED & BREAKFAST

**Annex Guesthouse.** Bed & breakfast. Walk to Robarts Library. Self-contained suite or rooms with shared bath. (416) 588-0560.

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**Muskoka cottage for rent.** Modern, 3 bedrooms, year-round retreat on Sunny Lake, 1 3/4 hours from Toronto, near Gravenhurst. Excellent short get-away or extended long vacation times available. Call (416) 782-4530.

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## HEALTH SERVICES

**PERSONAL COUNSELLING** in a caring, confidential environment. U of T extended health benefits provide excellent coverage. Evening appointments available. Dr. Ellen Greenberg, Registered Psychologist, The Medical Arts Building, 170 St. George Street. 944-3799.



# CLASSIFIED

**INDIVIDUAL AND COUPLE THERAPY.** Experienced in psychotherapy for anxiety, depression and relationship problems. Coverage under staff and faculty benefits. Dr. Gale Bildfell, Registered Psychologist, 114 Maitland Street (Wellesley & Jarvis). 972-6789.

**Individual psychotherapy for adults.** Evening hours available. Extended benefits coverage for U of T staff. Dr. Paula Gardner, Registered Psychologist, 114 Maitland Street (Wellesley and Jarvis). 469-6317.

**PSYCHOANALYTIC PSYCHOTHERAPY** with a Registered Psychologist. Dr. June Higgins, The Medical Arts Building, 170 St. George Street (Bloor and St. George). 928-3460.

**Dr. Gina Fisher, Registered Psychologist.** Psychotherapy for depression, anxiety, relationship problems, stress, gay/lesbian issues, women's issues. U of T extended health benefits apply. Evening appointments available. The Medical Arts Building (St. George and Bloor). (416) 961-8962.

**Dr. Dvora Trachtenberg, Registered Psychologist.** Individual, couple, marital psychotherapy for depression; anxiety; work, family, relationship problems; sexual orientation, women's issues. U of T health benefits apply. Day or evening appointments. Medical Arts Building (St. George and Bloor). (416) 961-8962.

**Individual psychotherapy** for personal and relationship problems, mental health needs, personal growth; issues related to disability. Day or evening appointments available. Dr. Carol Musselman, Registered Psychologist, 252 Bloor Street West (923-6641, ext. 2448). May be covered by UT health insurance.

**Psychologist providing individual and couple therapy.** Work stress, anxiety, depression, personal and relationship concerns. U of T health plan covers cost. Dr. Sarah Maddocks, registered psychologist, 114 Maitland Street (Wellesley & Jarvis). 972-1935 ext. 3321.

**Dr. Martin Antony (Psychologist) & Associates.** Practising in assessment and short-term, cognitive-behavioural treatment of anxiety and mood problems, including: fears/phobias, social and performance anxiety, panic attacks, agoraphobia, chronic worry/stress, obsessions/compulsions, and depression/low self-esteem. U of T staff extended health care benefits provide full coverage. Daytime, evening, and weekend appointments available. Medical Arts Building (St. George and Bloor). (416) 994-9722.

**Psychotherapy for personal and relationship issues.** Individual, group and couple therapy. U of T extended health plan provides coverage. For a consultation call Dr. Heather A. White, Psychologist, 535-9432, 140 Albany Avenue (Bathurst/Bloor).

**Having interpersonal problems?** Group therapy is the treatment of choice. U of T health plan provides coverage. Individual and marital therapy also available. Call Dr. Herbert Pollack, Psychologist, (416) 515-1708. Avenue Road and St. Clair area. Evening groups.

**Individual, couple, adolescent** and inter-generational psychotherapy for relationship, depression, anger, anxiety, stress, self-esteem, mid-life/career issues. U of T extended benefits coverage. Dr. Will Cupchik, Registered Psychologist, 250 St. Clair Ave. West. (416) 928-2262.

**Dr. Shalom Camenietzki,** Clinical Psychologist. Fellow of the Canadian and

American Group Psychotherapy Associations. Over 30 years of experience. Individual and group psychotherapy. Marriage counselling. Anxiety. Depression. Relationships. Family-of-origin work. Dysfunctional families. Stress at home and at work. Social phobias. Personality assessments. Emotional intelligence. Fees covered fully or partially by U of T extended health benefits. 60 St. Clair Avenue East, Suite 603. Phone: (416) 929-7480.

**FAMILY MEDIATION:** A co-operative process that enables separating couples to develop their own solutions to issues such as custody and support. The reduced conflict has immediate and long-lasting benefit for all parties. Peggy O'Leary, M.Ed., C.Psych. Assoc. 324-9444.

**Electrolysis, facials, registered massage therapy** (50% off 1st TRT). Men & women. The only safe, proven method of permanent hair removal. Introductory offer, packages available. Lowest prices downtown. Bay Street Clinic: 1033 Bay, #322, 921-1357; Medical Arts Building, 170 St. George, #700, 924-2355.

**MASSAGE** for aches, pains and stress. 31 years' experience. I will bill Liberty Health for the full cost. Use your benefits before June 30. St. George/Bloor. Ann Ruebottom, B.A., R.M.T. (416) 960-1768.

**REGISTERED MASSAGE THERAPY.** For relief of muscle tension, chronic pain and stress. Treatments are part of your extended health care plan. 170 St. George Street (at Bloor). For appointment call Mindy Hsu, B.A., R.M.T. (416) 944-1312.

**LEARN TO MEDITATE.** We offer the tools to help you live with a compassionate heart and a clear mind. Ongoing day and evening classes. Friends of the Heart (416) 486-5105 or [www.interlog.com/~foh](http://www.interlog.com/~foh).

## MISCELLANY

**TRAVEL-teach English.** 5-day/40-hour TESOL teacher certification course, Toronto May 29 — June 2 (or by correspondence). 1,000s of jobs available NOW. FREE information package. Toll free 1-888-270-2941.

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**PIANO.** 6 months new! Kawai pro. upright with double-felted hammers & built-in humidifier. \$7,500 or best offer. Call (416) 992-8372 or e-mail [vera.teschow@utoronto.ca](mailto:vera.teschow@utoronto.ca)

**Learn to sail this summer** without owning a boat! Find out how by joining us at one of our information nights. Tuesday, April 25 and Wednesday, May 10, 7:00-9:00 p.m., Toronto Reference Library, 789 Yonge Street (north of Bloor). Tuesday, May 2, 7:00-9:00 p.m., Northern Branch Library, 40 Orchardview Blvd. (Yonge, north of Eglinton). Toronto Island Sailing Club. (416) 203-6872. [www.torontosailing.com](http://www.torontosailing.com)

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## 2000 H. L. Welsh Lectures in Physics

WEDNESDAY, MAY 3, 1:30 P.M., Medical Sciences Auditorium, King's College Circle, Room MS 2158

Gerard 't Hooft  
*Utrecht University*

Tinier than an Atomic Nucleus

Eric Cornell  
*JILA/University of Colorado*

A Millionth of a Degree Above Absolute Zero:  
The Quest for Bose-Einstein Condensation

THURSDAY, MAY 4, 1:30 P.M., Koffler Institute for Pharmacy Management, Room KP 108

Eric Cornell  
*JILA/University of Colorado*

Can You Tie a Knot in a Gas?

Gerard 't Hooft  
*Utrecht University*

A Confrontation with Infinity

*The public is invited to a Reception in the Music Room at Hart House, 5:00 - 6:30 p.m. following the lectures on May 3.*

Gerard 't Hooft is Professor of Physics at Utrecht University in the Netherlands. In 1999 he shared the Nobel Prize in Physics with M. Veltman, for "elucidating the quantum structure of electroweak interactions in physics."

Eric Cornell is a JILA Fellow and Professor Adjoint of Physics at the University of Colorado at Boulder. In 1995, along with Carl Wieman, he created the first atomic Bose-condensed gas, opening up a whole new area of physics dealing with coherent matter waves.

Sponsored by the Department of Physics. For further information, call (416) 978-7135, e-mail: [iyer@physics.utoronto.ca](mailto:iyer@physics.utoronto.ca) or visit our website at <http://www.physics.utoronto.ca/welsh/>

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# EVENTS



## LECTURES

### The Science of Reading.

THURSDAY, APRIL 27

Drs. Bennett and Sally Shaywitz, Yale University. Main Auditorium, Hospital for Sick Children. 4 p.m. *Program in Neuroscience*

### Cape Breton Red:

#### J.B. McLachlan and Canadian Labour Radicalism.

FRIDAY, APRIL 28

David Frank, author of *J.B. McLachlan: A Biography*; Kenny Prize lecture. Lecture hall, 2nd floor, Claude T. Bissell Building, 140 St. George St. 4 p.m.

### Limits to Health Care: Making Decisions Accountable for Reasonableness.

MONDAY, MAY 1

Prof. Norman Daniels, Tufts University, Medford, Mass.; annual Philippa Harris lecture. Auditorium, Princess Margaret Hospital. 5 p.m. *Joint Centre for Bioethics*

### From War to "Eternal Peace": Pharaoh Ramesses II and Hattushili III, Great King of Hatti.

TUESDAY, MAY 2

Prof. Em. Horst Klengel, Humboldt University and Free University, Berlin. Auditorium, Koffler Institute for Pharmacy Management. 8 p.m. *Canadian Society for Mesopotamian Studies*

### Tinier Than an Atomic Nucleus.

WEDNESDAY, MAY 3

Prof. Gerard 't Hooft, Utrecht University; first of four Welsh lectures. Auditorium, Medical Sciences Building. 1:30 p.m. *Physics*

### A Millionth of a Degree Above Absolute Zero: The Quest for Bose-Einstein Condensation.

WEDNESDAY, MAY 3

Prof. Eric Cornell, University of Colorado at Boulder; second of four Welsh lectures. Auditorium, Medical Sciences Building. 3:30 p.m. *Physics*

### Can You Tie a Knot in a Gas?

THURSDAY, MAY 4

Prof. Eric Cornell, University of Colorado at Boulder; third of four Welsh lectures. Auditorium, Koffler Institute for Pharmacy Management. 1:30 p.m. *Physics*

### A Confrontation With Infinity.

THURSDAY, MAY 4

Prof. Gerard 't Hooft, Utrecht University; final Welsh lecture. Auditorium, Koffler Institute for Pharmacy Management. 3:15 p.m. *Physics*

### Beyond Winning: How Lawyers Can Help Clients Create Value Through Negotiation.

THURSDAY, MAY 4

Prof. Robert Mnookin, Harvard University; Taking Stock: Challenge and Change in the Legal Profession series. Solarium, Falconer Hall, 84 Queen's Park. 5 to 7 p.m. *Law*

### Regulation of Neurogenesis in the Adult Mammalian Nervous System.

THURSDAY, MAY 11

Dr. Peter Eriksson, Goteborg, Sweden. 2172 Medical Sciences Building. 3 to 4:30 p.m. *Program in Neuroscience*

### In Praise of Polarities in Post-Secondary Education.

THURSDAY, MAY 11

Prof. Michael Skolnik, William G. Davis Chair in Community College Leadership, OISE/UT; Jackson lecture. Faculty Club. 7 p.m. RSVP: 926-4726. *OISE/UT*

### Physics — From the Remarkable Past Century to Possibilities of the Next.

FRIDAY, MAY 12

Prof. Charles Townes, Nobel laureate, University of California at Berkeley. 1050 Earth Sciences Building; McLennan centennial lecture. 7:30 p.m. *Physics*

### From Conflict Towards Co-operation: Making Peace in the Korean Peninsula.

SATURDAY, MAY 13

Yong-pyo Hong, specialist in security studies and North-South Korean affairs. Innis College Town Hall. 6 p.m. *East Asian Studies and Joint Centre for Asia Pacific Studies*

## COLLOQUA

### The Role of the Pharmacist on the REB.

WEDNESDAY, APRIL 26

Prof. B. Hardy, Faculty of Pharmacy. Dean's Conference Room, Medical Sciences Building. Noon. *Research Services and Research Office, Faculty of Medicine*

### New Classes of Transition Metal-Catalyzed Amine, Alcohol, Ketone and Amide Arylations: Mechanism, Methodology and Macromolecules.

FRIDAY, APRIL 28

Prof. John Hartwig, Yale University. 158 Lash Miller Chemical Laboratories. 3:30 p.m. *Chemistry*

### Nearest Neighbour Interactions in Liquid Crystals: Approaches to Frustration and Polar Order.

FRIDAY, MAY 5

Prof. Timothy Swager, Massachusetts Institute of Technology. 158 Lash Miller Chemical Laboratories. 3:30 p.m. *Chemistry*

### Halogens in the Troposphere: From the Molecular Scale to the Marine Boundary Layer.

FRIDAY, MAY 12

Prof. Barbara Finlayson-Pitts, University of California. 158 Lash Miller Chemical Laboratories. 3:30 p.m. *Chemistry*

## SEMINARS

### Matrix Metalloproteinases (MMPs) and Vascular Function: Implications for Pre-eclampsia.

WEDNESDAY, APRIL 26

Prof. Sandra Davidge, University of Alberta. 968 Mt. Sinai Hospital. Noon. *Samuel Lunenfeld Research Institute*

### Salt Tolerance Mechanisms and Crop Potential of Halophytes.

FRIDAY, APRIL 28

Prof. Edward Glenn, University of Arizona. B142 Earth Sciences Centre. 3 p.m. *Botany*

### Making a Mess and Spreading It Around: Critical Reflections on the Process of Creating and Performing Research-Based Drama.

MONDAY, MAY 1

Prof. Ross Gray, public health sciences. 161 University College. Noon to 2 p.m. *Qualitative Inquiry Group and Public Health Sciences*

### Electrical Restitution and Ventricular Fibrillation.

THURSDAY, MAY 4

Prof. Robert Gilmour, Cornell University. 3231 Medical Sciences Building. 4 p.m. *Physiology*

### Intra- and Interindividual Variability in Cytochrome P450 Activity: The Influence of Cytokines on Antiretroviral Pharmacokinetics and Possible Failure in HIV-1 Infection.

FRIDAY, MAY 5

Prof. Angela Kashuba, University of North Carolina. 4227 Medical Sciences building. 2 p.m. *Pharmacology*

### Adaptive Radiation and Physiological Diversification in Some Endemic Hawaiian Plants.

FRIDAY, MAY 5

Prof. Todd Dawson, University of California at Berkeley. B142 Earth Sciences Centre. 3 p.m. *Botany*

### Bu-Ba-Bu as Kitsch.

FRIDAY, MAY 5

Tamara Hundorova, U of T and Institute of Literature, Ukraine. 152 University College. 4 p.m. *Canadian Institute of Ukrainian Studies*

### Widowhood in Retirement.

TUESDAY, MAY 9

Peter Donahue, Faculty of Social Work. Suite 106, 222 College St. Noon. *Human Development, Life Course & Aging*

### Cell Fate and Cell Commitment in Plant Development.

FRIDAY, MAY 12

Keith Roberts, John Innes Centre, Norwich Research Park, Colney, Norwich. 1050 Earth Sciences Centre. 3 p.m. *Botany*



## MEETINGS & CONFERENCES

### Sesquicentennial Conference.

FRIDAY, APRIL 28 AND

SATURDAY, APRIL 29

A conference to celebrate the 150th anniversary of the department of philosophy.

FRIDAY, APRIL 28

International Protection of Human Rights in the 21st Century, Anne Bayefsky; Persons: A Fragment of a Short History, Calvin Normore; Deliberation, Rules and the Mean: What Aristotle Learned From Plato's *Statesman*, Susan Meyer. Room 1, Emmanuel College. 2 to 5:30 p.m.

SATURDAY, APRIL 29

Styles of Reasoning in Mathematics, Jamie Tappenden; Paradoxes of Character, Sophia Reibetanz. 10 a.m. to 12:30 p.m. Oracularity, Jan Zwicky; Naming the Events, Achille Varzi; Why Philosophy? Ethics and Philosophy, Robert Gibbs. 2 to 5:30 p.m. *Philosophy and Arts & Science*

### Hegel's Aesthetics.

SATURDAY, APRIL 29 TO

MONDAY, MAY 1

Most sessions focus on particular sections of Hegel's lectures as published in his *Aesthetics: Lectures on Fine Art*, translated by T.M. Knox (Oxford, 1975). Sessions in the Combination Room, Trinity College.

SATURDAY, APRIL 29

Hegel and Berlin: Lecturing on the Philosophy of Art, Martin Donougho, University of South Carolina; chair, Graeme Nicholson, U of T. 7:30 p.m.

SUNDAY, APRIL 30

Irony and the Concept of Art, Jennifer Bates, University of Victoria; Nature, Finite Spirit and Art, John McCumber, Northwestern University; chair, Peter Simpson, Laurentian University. 9:30 a.m.

The Ideal as Such: Beautiful Individuality, John Russon, Pennsylvania State University; The Thousand-Eye Argos: Blindness and Vision in Hegel's Reading of Greece, Rebecca Comay, U of T; chair, David Morris, Trent University. 2 p.m.

MONDAY, MAY 1

Memory, Mechanism and Technique: Hegel's Idea of Artistic Beauty or the Ideal, Emilia Angelova, Trent University; Why the City is Not an Aesthetic Category, Jay Lampert, University of Guelph; chair, John Burbidge, Trent University. 9:30 a.m.

### Business Board.

MONDAY, MAY 1

Council Chamber, Simcoe Hall. 5 p.m.

### Committee on Academic Policy & Programs.

WEDNESDAY, MAY 3

Council Chamber, Simcoe Hall. 4:10 p.m.

### Modern : Drama — Defining the Field.

FRIDAY, MAY 5 AND

SATURDAY, MAY 6

Sessions at the Robert Gill Theatre, Koffler Student Services Centre.

Why Modern Drama Is Not Culture. Why Modern Drama Is Not Culture: Blind Spots in Literature, Theatre and Cultural Studies, Shannon Jackson; Gurus and Manifestos: The Culture of Modern Drama, Sheila Rabillard; The Physiology of State: Zola, Naturalism and the "Making" of Modern Drama, Stanton Garner, Jr. 1 to 3 p.m.

The "Other" Modern Drama. The "Other" Modern Drama: The Politics of Staging Racial Formation, Josephine Lee; Modern Asian Drama, Yan Haiping. 3:30 to 5 p.m.

SATURDAY, MAY 6

There Will Be No Plays. Luminous Writing, Embodiment and Modern Drama: Mme Blavatsky and Bertolt Brecht, Sue-Ellen Case; "There will be no plays": Physical Theatre and Modern Drama in Australia, Adrian Kiernander. 9:30 to 11 a.m.

Articulation, Punctuation and Aesthetics. Articulating the Colon: The Performance of Punctuation, Robert Wallace; Aesthetic Prejudice in Modern Drama, Michael Sidnell. 11:30 a.m. to 1 p.m.

Disciplinary Disputes, Desires and Other Anxieties. Drama vs. Performance: Disciplinary Disputes and Other Theatricals, Loren Kruger; Anxiety, Technology and the Regulation of Desire, Ann Wilson. 2:30 to 4 p.m.

Modern as in Modernity. The "Modern in "Modern Drama," Elin Diamond; Modern as in Modernity: Modernist Epistemological and Representational Regimes, David Savran. 4:30 to 6 p.m.

SUNDAY, MAY 7

Gendering Modern Drama. Gendering Modern Drama, Susan Bennett; Women, Modernism and Performance, Penny Farfan. 9:30 to 11 a.m.

### Race and Modern Drama.

Modernity and Genocide: Citing Minstrelsy and Post-Colonial Agitprop, Alan Filewod; August Wilson and African-American Drama, Harry Elam, Jr. 11:30 to 1 p.m. Conference details and updates: moddrama@hotmail.com.

### Governing Council.

THURSDAY, MAY 11

Council Chamber, Simcoe Hall. 4:30 p.m.

### Colonial Saints: Hagiography and the Cult of Saints in the Americas, 1500-1800.

FRIDAY, MAY 12 AND

SATURDAY, MAY 13

All sessions take place in 179 University College.

FRIDAY, MAY 12

Hagiography and Colonial Identities. New Sacred Foundations in the Colonial Andes, Kenneth Mills, Princeton; Saints' Lives and Catholic Community: The Uses of Hagiography in 17th-century New France, Julia Boss, Yale; Cotton Mather and English Protestant Hagiography: A Reading of *Magnalia Christi Americana*, Lucia Bergamasco, Paris-Nanterre, France; Saints and Vodou in the French and English Caribbean, Joan Dayan, Arizona. 10 a.m. to noon.

Hagiography and Spiritual Conquest. The Relevance of Early Christian Sacred Biography to Missionaries in Colonial Latin America, Daniel Reff, Ohio State; Ruiz de Montoya: Spiritual Conquest and Mysticism in Paraguay, Dot Tuer, Toronto; Holy Person and the Missionary Ethic in Spanish-American Hagiography, Ronald Morgan, Biola. 1:30 to 3 p.m.

Women and Religious Life Writing. Female Hagiography in Late Colonial Brazil: The Self-Life Writings of Soror Jacinta de S. José, Lella Algranti, Campinas, Brazil; Saints or Sinners? Self-Portraits by Colonial Latin American Women, Kathleen Ann Myers, Indiana; Iroquois Virgin: The Story of Catherine Tekakwitha in New France and New Spain, Allen Greer, Toronto. 3:15 to 4:45 p.m.

SATURDAY, MAY 13

Old World Saints in a New World Setting. St. Anne and Maternal Archetypes in Colonial Mexico, Charlene Villsear Black, New Mexico; Santo Antonio na América Portuguesa, Ronaldo Vainfas, Fluminense, Brazil; Los Santos patronos de los ciudades en el Mexico central — siglos XVII-XVIII, Pierre Ragon, Paris III, France; Mexico's Santa Maria de Guadalupe tonanizin: The Making of a National Symbol, Mario Valdés, Toronto. 9 to 10:30 a.m.

Saints and Images. San Palafox: imagenes Metaforicas de una Santidad Cuestionada, Antonio Garcia, UNAM, Mexico; Saints Ecclesiastical Organizations and Religion in Brazil at the Beginning of the 19th Century, Guilherme Pereira das Neves, Fluminense, Brazil; Les visions de mère Catherine de Saint Augustin, hospitalière, François-Marc Gagnon, Montreal. 11 a.m. to 12:30 p.m.

Martyrs and Hermits. Mártires, Santos Confessores e Beatas no Brasil Colonial, Luz Mott, Bahia, Brazil; Francisco Losa and Greario Lopez: Spiritual Friendship and Identity Formation on the New Spain Frontier, Jodi Blinkoff, North Carolina at Greensboro; Jean de Brébeuf: From Martyrdom to Sainthood, Paul Perron, Toronto. 2 to 3:30 p.m. Conclusion. 4 to 5 p.m. Information: 978-8091; p.gravestock@utoronto.ca.

### Canada and Korea: Into the New Millennium.

FRIDAY, MAY 12 AND

SATURDAY, MAY 13



# EVENTS

An international conference; sessions in Innis College Town Hall.

## FRIDAY, MAY 12

Panel I. Asia Pacific Security: Canada and Korea.

New Horizons in Canada's Relations with Korea, Margaret Huber, Foreign Affairs & International Trade; Regionalism in Korea and Canada, Myungsoon Shin, Yonsei University; Coping With Communists: Canada's Diplomatic Relations With China, Cuba and North Korea, Eugene Lee, Sookmyung University. 9:20 a.m. to 12:40 p.m.

Panel II. Canada, Korea and Multilateral Trade.

Korea-Canada Economic Relations: Korean Perspectives, Joung-Yong Lee, Inha University; Korean-Canadian Economic Relations Before and After the Recent Asian Financial Crisis, Jaedong Han, University of Western Ontario; The Comparative Study on Alternative Dispute Resolution Mechanisms Between Korea and Canada, Moon-chul Chang, National Police University. 2 to 4:35 p.m.

## SATURDAY, MAY 13

Panel III. The Korean War and Canada's Nonparticipation.

The Korean War in the Security of the Korean Peninsula, Yong-pyo Hong, Korea Institute for National Unification; Canadian Diplomacy and the Korean Quagmire, 1950-53, Greg Donaghy, Foreign Affairs & International Trade; The War That History Forgot, Ted Barris, Centennial College. 9 a.m. to noon.

Panel IV. History and Tradition. Implications of Canadian Film Policy for the Korean Film Industry, Young-sok Moon, Kangnam University; Across the Tumen and Beyond: Canadian Presbyterians, Korean Christians and the Japanese on the Manchurian Border, 1921-1945, Hamish Ion, Royal Military Academy; The Theme of Mutability in

Korean and Canadian Poetry: A Comparative Essay, Sung-il Lee, Yonsei University; Canada and Korea: Over 100 Years of Shared History, Young-sik Yoo, University of Toronto/York University. 1:30 to 4:40 p.m.

## MUSIC

### FACULTY OF MUSIC EDWARD JOHNSON BUILDING

#### World Music Ensemble.

FRIDAY, APRIL 28

Japanese drumming, African drumming and dancing and Balinese gamelan. Walter Hall. 8 p.m.

#### Operetta & Musical Theatre.

FRIDAY, APRIL 28 AND

SATURDAY, APRIL 20

An evening of operetta and musical theatre. MacMillan Theatre. 8 p.m. Tickets \$10, students and seniors \$5.

## PLAYS & READINGS

### Six Characters in Search of an Author.

WEDNESDAY TO SUNDAY,

APRIL 26 TO MAY 7

By Luigi Pirandello; Guillaume Bernardi, director. Graduate Centre for Study of Drama production in association with Modern : Drama conference and the Goggio chair in Italian studies. Performances at 8 p.m. except Sunday April 30 2 p.m. Robert Gill Theatre, Koffler Student Services Centre. Tickets \$12, students and seniors \$10; Sunday, May 7 pay what you can. Box office: 978-7986.

### The Importance of Being Earnest.

FRIDAY TO SUNDAY,

MAY 6 TO MAY 7;

THURSDAY TO SATURDAY,

MAY 11 TO MAY 13

An adaptation of Shakespeare's classic tragedy, adapted and directed by Christos Aslanidia; presented by Althea Productions. Leigha Lee Browne Theatre, U of T at Scarborough. Performances at 8 p.m. except Sunday, 2 p.m. Tickets \$10, students and seniors \$8. Information and reservations: (416) 812-6820.



## EXHIBITIONS

### VICTORIA UNIVERSITY The Graphic Art of Clair Pratt.

TO MAY 5

Exhibition in the Reading Room, E.J. Pratt Library. Hours: Monday to Sunday, 10 a.m. to 5 p.m.

### NEWMAN CENTRE

#### Easter Exhibition.

TO MAY 5

Antonio Caruso, Italian-Canadian painter. Ground floor. Hours: Monday to Friday, 9 a.m. to 5 p.m.

### JUSTINA M. BARNICKE GALLERY

#### HART HOUSE

#### Awakening With the Earth Images of Mother Earth.

APRIL 13 TO MAY 11

Stephen Livick, murals arranged from photographic details taken from landscapes across Canada. Both galleries. Gallery hours: Monday to Friday, 11 a.m. to 7 p.m.; Saturday, 1 to 4 p.m.

### THOMAS FISHER RARE BOOK LIBRARY

#### As the Centuries Turn:

### Manuscripts and Books From 1000 to 2000.

TO JUNE 2

A selection of manuscripts and printed books from the collections of the Thomas Fisher Rare Book Library. Hours: Monday to Friday, 9 a.m. to 5 p.m.

### ROBERTS LIBRARY

#### Canada and the Korean War.

MAY 1 TO MAY 31

Photographs, drawings, artifacts, war memorabilia and materials; commemorating the 50th anniversary of the Korean War. Main display area. Hours: Monday to Friday, 8:30 a.m. to midnight; Saturday, 9 a.m. to 10 p.m.; Sunday, 1 to 10 p.m.



## MISCELLANY

### Take Our Daughters to Work Day.

THURSDAY, APRIL 27

Job-shadowing in the parent's work environment, 9 a.m. to noon, or campus police job-shadowing safety program, 10 a.m. to 11:30 a.m.; welcome by Professor Lorna MacDonald, Faculty of Music, Convocation Hall, noon; lunch in Convocation Hall Rotunda, keynote speaker, Beverly Kahn of the staff development office on Shaping Your Future — An Interactive Look at Careers in the Millennium; tour groups organized and escorted to their destination by U of T staff and members of the Walksafer program, 2:15 to 3:15 p.m.; personal safety awareness workshop, Convocation Hall, 3:30 to 4:30 p.m. Parents pick up their daughters at Convocation Hall, 4:30 p.m.

### Limits of Confidentiality in Human Research.

FRIDAY, APRIL 29

One-day workshop on human research ethics; keynote address by Professor Bernard Dickens, Faculty of Law. Auditorium, Earth Sciences Centre. 9:30 a.m. to 3:30 p.m. Registration and information: pat.peever@utoronto.ca or 978-7248. Research Services and Research Office, Faculty of Medicine

### Program in Neuroscience Poster Day.

FRIDAY, APRIL 28

Speakers: Prof. Robert Hawkins, Columbia University, on Synaptic Facilitation: Molecular Cascades and Learning; and Prof. Miguel Nicolelis, Duke University, on Beyond Maps: A Dynamic and Distributed View of the Somatosensory System. 2172 Medical Sciences Building, 9:45 a.m. to noon.

### Annual Research Day of the Department of Ophthalmology.

FRIDAY, MAY 12

Presentations by students, residents, fellows and staff. Auditorium, Koffler Institute for Pharmacy. 8 a.m. to 4 p.m. Annual Clement McCulloch lecture by Prof. Desmond Archer, Queen's University, Belfast, entitled Retinal New Vessels — A Brief Odyssey. 4 p.m.



## DEADLINES

Please note that information for Events listings must be received in writing at The Bulletin offices, 21 King's College Circle, by the following times:

Issue of May 15, for events taking place May 15 to 29: MONDAY, MAY 1.

# COMMITTEES

## REVIEW

### ST. GEORGE CAMPUS POLICE

A committee has been established to review the St. George campus police. Its terms of reference are to review the current role and mandate of the St. George campus police; consider any need for changes to the mandate over the next five years; to identify characteristics necessary for the new manager, Police Services; and to comment on any other matters of relevance. Members are: Professor Kent Roach, Faculty of Law (chair); Susan Addario, director, student affairs; Professor Rosemary Gartner,

Centre of Criminology; and Josh Koziebrocki, student representative.

The committee would welcome any written comments concerning any matter of relevance to its terms of reference. Letters should be sent to Professor Kent Roach, Faculty of Law, 78 Queen's Park, fax: 978-2648; e-mail submissions may be sent to kent.roach@utoronto.ca; susan.addario@utoronto.ca; gartner@chass.utoronto.ca; or josh.koziebrocki@utoronto.ca.

The committee will also be available from 12:30 to 9:30 p.m. Wednesday, April 19 for individual meetings. Call Terri LeClair at 978-8442 to make an appointment.

## UNIVERSITY OF TORONTO

# THE BULLETIN

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# Basic Income - The Unfinished Business of the Twentieth Century

"Everybody should be guaranteed a decent basic income. A rich country...can well afford to keep everybody out of poverty."

(John Kenneth Galbraith, 1999)

**Massey College invites you  
to the eighth Walter Gordon Symposium in Public Policy  
on Thursday, 4th May, 2000  
Hart House Theatre, University of Toronto  
at 8.00 p.m.**

Moderated by Dr. Charles Pascal, Executive Director of the Atkinson Foundation, THE PANEL WILL INCLUDE:

**Professor Charles M.A. Clark, St. John's University, New York**

**Professor Rod Dobell, School of Public Administration, University of Victoria**

**Professor Sally Lerner, Environmental Studies, University of Waterloo**

**Dr. Arthur Cordell, Information Technology Policy, Industry Canada, Ottawa**

**Dr. Michael McCracken, Informetrica Limited, Ottawa**

*This event is open to the public and is free of charge but seat reservations must be made by calling (416) 978-2895*



## FALSE DOCTRINES

*"Systemic racism" is the new buzzword in equity cases, but it's based on an entrenched fallacy.*

By PHILIP SULLIVAN AND CHRISTINE FUREDY

WITH INTENTIONAL DISCRIMINATION now being rare, the concept of systemic or substantive discrimination is repeatedly invoked in the continuing debate on equity in Canadian universities. It is said to occur when institutional policies and practices unintentionally discriminate against women and certain ethnic groups. This concept is called upon in individual cases where no intentional discrimination is demonstrated and is applied to whole institutions on the basis of statistics for the faculty and student populations.

A troubling individual case is an Ontario Human Rights Commission (OHRC) report on a grievance by geophysicist Kin-Yip Chun accusing the University of Toronto's department of physics of practising systemic racism. It alleges that Chun's failure to obtain a tenure-track appointment at the university in four separate competitions between 1987 and 1992 reflects an appointments procedure that "effectively screens out racial minorit[ies]." The report dismissed an internal investigation finding no evidence of racism because it did not consider the implications of a "prevailing substantive theory of discrimination."



BUT THERE IS NO SUCH "THEORY." IN THE NAME OF COMBATTING racism and sexism, activists promote instead a simplistic doctrine that has been called the proportionality fallacy: a presumption that, if women and ethnic groups are not represented in the workforce roughly in proportion to their population ratios, then some form of discrimination must be the cause. A recent, bizarre, form of this argument suggests there is a problem if particular ethnic groups constitute less than 15 percent of a university's faculty (See Chandrakant P. Shah, *Actions speak louder than words, Commentary, CAUT Bulletin*, April 2000).

The doctrine obviates the need to examine historical, sociological, psychological and other factors that might account for representation patterns. In universities the doctrine opens the door for unsustainable policies such as preferential treatment of special interest groups and assaults the principle of merit in education and scholarship. Moreover, by absolving its proponents from the responsibility of actually identifying a discrimination mechanism, it legitimates both shoddy arguments and witch-hunts for racism and sexism in every aspect of human behaviour.

Unintentional discrimination can, of course, occur in educational institutions and workplaces. It can be rectified when the source of bias is identified. Two examples are the provision of facilities enabling the disabled to attend colleges and universities and of left-handed writing tablet chairs in lecture halls. Thus the possibility of such discrimination cannot be dismissed, but the emphasis must be upon identifying a bias mechanism so that appropriate adjustments can be made.

This rational understanding of systemic discrimination, however, seems not to have gained acceptance because the proportionality fallacy is now deeply entrenched. As an example, U.S. aptitude tests for screening students are sometimes arbitrarily adjusted to obtain strict proportionality by race and sex.

The doctrine originated in attempts to eradicate the deeply rooted effects of racial segregation on employment patterns in the U.S. The Equal Employment Opportunities Commission aggressively promotes the notion that disparate impact, as opposed to disparate treatment, is a test for discrimination. If an employer's "visible minority" employees in every job category are not approximately proportional in number to an applicant pool deemed relevant by the commission, it is the employer who, risking severe penalties, must show that it has not discriminated and that any hiring test is clearly relevant to the specific job skills required. In some instances useful tests such as general education requirements have been prohibited.

Canada has adopted this philosophy. In 1985 our Supreme Court ruled intent and motive irrelevant in establishing discrimination so that, as in the U.S., investigations focus on

effects. Statistical evidence pointing to "under-representation" of a designated group within a workplace, and individuals' anecdotal evidence have both been accepted by human rights tribunals as indicating systemic discrimination. The balance of probabilities test is used in adjudication, with the accuser only having to establish a prima facie case, so that accused must provide persuasive justification for their conduct. Such a philosophy is ripe for abuse by grudge-bearers and ideological axe-grinders.

Thirty years ago, in a discussion of female and male employment patterns, Oxford University psychologist Corinne Hutt identified the essence of the proportionality fallacy. Concluding even then that such patterns could be explained largely by psychological factors unrelated to discrimination, she noted that, in the absence of evidence of a mechanism, use of the proportionality criterion reduces the concept of discrimination to a meaningless tautology.

In considering the ethnic composition of university faculty, a number of factors should be considered when discrimination is suspected. As an example, in many Western countries,

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and in particular in Canadian cities such as Toronto, immigration is rapidly changing the demography. On this ground alone, one cannot expect any but the most recent recruits to a workplace to approximately reflect the applicant pool. This is especially true of university faculty for whom the turnover can be very low. Leaving aside the effects of recent "equity" hiring, the current Canadian university faculty composition appears to reflect the availability of suitable candidates at the time of hiring. As a method of identifying systemic discrimination in faculty hiring practices the proportionality criterion is usually fallacious. It certainly makes no sense to compare the

composition of a relatively unchanging faculty with that of the student body in a city such as Toronto.

TURNING NOW TO CHUN'S GRIEVANCE, U of T's investigator concluded that he was exploited as a research associate, but that there was no racial discrimination in the disputed appointment competitions. The Canadian Association of University Teachers' academic freedom and tenure committee investigated the grievance and, acknowledging that there was no evidence of intentional racism, nevertheless emphasized the possibility of systemic racism. One would expect this committee to be aware of the problems inherent in investigating such discrimination and of human rights tribunals' penchant for trampling on academic freedom. But its report is oblivious to these difficulties. It embraces the proportionality fallacy and the concomitant idea that anything resulting in deviation from proportionality suggests racism. It approves the "guilty until proven innocent" mentality of human rights tribunals. While confessing to knowledge of only one side of the case, it is replete with unsupported speculation.

The OHRC report is a disgrace; it divines racism in a troubled relationship between an individual and the university when alternative explanations are at least as plausible. Betraying a witch-hunt mentality, it reads racism into an honest but supportive referee's comment on Chun's facility with English pronunciation. It makes much of a computer virus incident while ignoring the implication of one of the contested hiring competitions in which the search committee chair was the son of a Japanese Canadian interned during the Second World War and the successful individual has an Albanian Muslim heritage. Alluding to the ethnicity of the older members of the physics department, it speaks of "cronyism," when the ethnic composition reflects the availability of qualified candidates at the time of hiring. It ignores the implications of recent hiring data, which show that, in the last 10 years the so-called "under-represented minorities" were awarded 25 percent of the positions, even though they accounted for only 10 percent of the applicants. Worst of all, it fails miserably to address the central question: Was Chun demonstrably better qualified than the successful candidates?

The report's claim that U of T's internal investigation was "flawed" is unsupportable. The investigator, Professor Cecil Yip, is of Asian origin and is experienced in the resolution of grievances, both as an officer of the university's faculty association and as a member of the university's grievance review panel. He was assisted by legal counsel familiar with human rights law who is now an Ontario Appeals Court judge. Noting that the OHRC report revealed no new facts, Yip observed that, as a researcher, he is familiar with "looking for a pattern [of discrimination]." "My investigation ... did not see a pattern of discrimination that can be supported by fact," he wrote.

In conclusion, a charge of systemic discrimination cannot be substantiated without a reliable and disinterested analysis. First, alternative explanations of patterns of participation or employment must be examined. Second, specific mechanisms of bias should be demonstrated. Arguments based merely on an assumed necessity of proportionality between "populations" and the participation of specific groups in education or in employment are usually fallacious. It's time that Canadians questioned the use the concept of systemic discrimination by judicial and other organizations and scrutinized the methods used by human rights tribunals to investigate such allegations.

*Philip Sullivan is a member of the faculty of the Institute for Aerospace Studies and has served on the board of the Society for Academic Freedom and Scholarship. Christine Furedy is professor emerita, York University, and is the editor of the society's newsletter.*